

19991012.qrp v01_n606.qrl.991012

Date: Tue, 12 Oct 1999 19:03:11 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1606

QRP-L Digest 1606

Topics covered in this issue include:

- 1) [52857] FS:30M CW,40M CW/SSB MFJ QRP Station
by "Jack Oakland, CA" <w6abc@yahoo.com>
- 2) [52858] Introducing the Night Owls team!
by Ed Loranger <we6w@qsl.net>
- 3) [52859] Log Help with PA QSO Party
by "Ron Polityka" <wb3aal@talon.net>
- 4) [52860] RE: [CW] HANDKEY PROJECT A BIG SUCCESS
by "Mike D." <hrg@megsinet.net>
- 5) [52861] FS: Realistic HTX 202, (2) business band radios, too!
by "J. Ervin Bates" <w8erv@msn.com>
- 6) [52862] pop-up spam coming in with QRP-L messages?
by "Dave Benham" <dodgeboy@mindspring.com>
- 7) [52863] States that have the Appalachian Trail with in it's borders
by "Ron Polityka" <wb3aal@talon.net>
- 8) [52864] Re: pop-up spam coming in with QRP-L messages?
by "Mike Yetsko" <myetsko@insydesw.com>
- 9) [52865] Re: W0MC Portable Op this afternoon
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
- 10) [52866] manhattan pads
by Anthony Felino <anthony@pacinfosb.com>
- 11) [52867] Re: pop-up spam coming in with QRP-L messages?
by "Vincent Ferme" <vferme@sprint.ca>
- 12) [52868] Re: Epson custom oscillators
by "David Benson" <nn1g@earthlink.net>
- 13) [52869] A visit to "Papa" Burdick's lab...
by "Radman" <radman@best.com>
- 14) [52870] Re: On the Road Again
by Richard Arland <k7sz@epix.net>
- 15) [52871] TUCSON BOUND
by Brad Bradfield <b_bradfield@yahoo.com>
- 16) [52872] FOX: Pre-FOX Warm-up for KU7Y
by Monte Stark <ku7y@dri.edu>
- 17) [52873] TT-2/MRX mods
by sigcom@juno.com
- 18) [52874] Wanted to Buy QRPP
by "Bruce" <n9jcv@wwa.com>
- 19) [52875] FOXHUNT: Tuesday Pre-Foxhunt Party

- by "Paul R. Valko" <prvalko@oakland.edu>
- 20) [52876] Re: How does an overtone crystal work?
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 21) [52877] handkey with caps lock
by "Scott Howell" <n3byy@yahoo.com>
- 22) [52878] Re: pop-up spam coming in with QRP-L messages?
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 23) [52879] Announcing new QRP publication [long]
by "George Heron" <n2apb@erols.com>
- 24) [52880] re: mixers
by neil tanner <ntan@crosslink.net>
- 25) [52881] Re: Tuna Tin 2 pi output ckt
by "KA5T Larry Wise" <lewise@inetport.com>
- 26) [52882] Richie and Mitch on a Pacificon Adventure
by "The One and Only!" <mitch96@pobox.com>
- 27) [52883] SWR Bridge question
by "Harry Hurst" <hhurst@delaware.infi.net>
- 28) [52884] NorCal Toroid Kit
by Lee Bahr <bahr521@earthlink.net>
- 29) [52885] Argo 515 connector
by K4NK@aol.com
- 30) [52886] Manhattan Pads source
by ka7you@juno.com
- 31) [52887] Illegal Rig??
by Larry East <w1hue@amsat.org>
- 32) [52888] swap..for 30 meter rig
by K4NK@aol.com
- 33) [52889] NC/20 RIT or XIT ???
by patrick m kvitkauskas <pmk@juno.com>
- 34) [52890] QRP 24 hour clock
by ka7you@juno.com
- 35) [52891] Re: NC/20 RIT or XIT ???
by "Dave Fifield" <fifield@pacbell.net>
- 36) [52892] Can you believe it? ZK3CW for #99 on 30m!
by Adrian Weiss <aweiss@usd.edu>
- 37) [52893] [CTDXCC] SS Contesting Tips by K7Q0 (ex K5F0) (fwd)
by Monte Stark <ku7y@dri.edu>
- 38) [52894] Re: What is "Manhattan Style"?
by "Randy Jouett" <rules@bellsouth.net>
- 39) [52895] Re: Manhattan style Glue
by "Randy Jouett" <rules@bellsouth.net>
- 40) [52896] KangaLands (was Manhattan Pads source)
by "John Fletcher" <johnf@innotts.co.uk>
- 41) [52897] Re: pop-up spam coming in with QRP-L messages?
by "Tony Fishpool" <g4wif@btinternet.com>
- 42) [52898] Re: Nov SS CW Heads Up Note
by Bill B Lazure <n2tpa@juno.com>
- 43) [52899] Radio Havana info tnX!

by tom whalen <wb5qyt@eFortress.com>
44) [52900] Re: Illegal Rig??
by "Randy Jouett" <rules@bellsouth.net>
45) [52901] Re: Lead, cyanide, and other pastimes
by "Randy Jouett" <rules@bellsouth.net>
46) [52902] OHR Transceiver
by wa8rxi@juno.com
47) [52903] Re: I smell a new name...
by "Randy Jouett" <rules@bellsouth.net>
48) [52904] Re: PC Board Tinning Solution / Silver platingI am in the process
of building Jim Kortge's 2N2/40
by "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>
49) [52905] Pads and Adhesives
by Bruce Muscolino <w6toy@erols.com>
50) [52906] Re: Lead, cyanide, and other pastimes
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
51) [52907] FOXHUNT:7.040 and Novice/Tech+, Tuesday Pre-Fox Bash
by "Richard E. Robinson" <rerobins@email.uncc.edu>
52) [52908] CB Amps on 10 Mtrs
by "Randy Jouett" <rules@bellsouth.net>
53) [52909] Thanks for info!
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
54) [52910] Re: Manhattan style Glue
by "Jay Bromley" <w5jay@alltel.net>
55) [52911] Re: Pads and Adhesives
by "Randy Jouett" <rules@bellsouth.net>
56) [52912] Re: Illegal Rig??
by Bruce Muscolino <w6toy@erols.com>
57) [52913] Re: Illegal Rig??
by Mike Czuhajewski <wa8mcq@erols.com>
58) [52914] HOW TO BOOK FOR CELTICON 2000
by "George Dobbs" <g3rjv@gqrp.demon.co.uk>
59) [52915] FOXHUNT: pre-season bash taut
by "Rod Cerkoney" <rlw@frii.com>
60) [52916] Re: FOXHUNT: pre-season bash taut
by "Steve Sorrell" <ap036@detroit.freenet.org>
61) [52917] Re: Illegal Rig??
by "KA5T Larry Wise" <lewise@inetport.com>
62) [52918] Foxii Antennas
by "KA5T Larry Wise" <lewise@inetport.com>
63) [52919] Re: Tuna Tin 2 pi output ckt
by "KA5T Larry Wise" <lewise@inetport.com>
64) [52920] Re: Fox: DeathStar reported in this quadrant
by "Sly (9M8SL)" <cqsly@tm.net.my>
65) [52921] In need of an audio filter...
by "Sly (9M8SL)" <cqsly@tm.net.my>
66) [52922] JOTA
by Mike Maiorana <mikemo@attglobal.net>

- 67) [52923] FOXHUNT: pre foxhunt bash taut II
by Rod Cercone <rlc@frie.com>
- 68) [52924] Re: In need of an audio filter...
by igeq100@iupui.edu
- 69) [52925] FOXHUNT: Tuesday Pre-Foxhunt Party-N0AR
by sholisky@ktca.org (Scott Holisky)
- 70) [52926] Re: Pads and Adhesives
by PDouglas12@aol.com
- 71) [52927] qrp'n and loving it!
by KU4YP@aol.com
- 72) [52928] Jeff Grudin, AC6KW
by Bob Patten <n4bp@bc.seflin.org>
- 73) [52929] 10Meter beacons & intruders
by wj5o@juno.com
- 74) [52930] RFI: Logging Laptop
by Rod Cercone <rlc@frie.com>
- 75) [52931] Cyanoacrylates (Super Glue)
by Roger Hightower <n7kt@earthlink.net>
- 76) [52932] Re: Foxii Antennas
by Monte Stark <ku7y@dri.edu>
- 77) [52933] Re: 10Meter beacons & intruders
by "George T. Baker" <w5yr@swbell.net>
- 78) [52934] RE: 10Meter beacons & intruders
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
- 79) [52935] regen
by Anthony Felino <anthony@pacinfosb.com>
- 80) [52936] Paul Harden, Pacificon Speaker, #4 in a series
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 81) [52937] Re: CB Amps on 10 Mtrs
by "George T. Baker" <w5yr@swbell.net>
- 82) [52938] Re: Cyanoacrylates (Super Glue)
by Monte Stark <ku7y@dri.edu>
- 83) [52939] Need Help with Pacificon Transportation
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 84) [52940] Re: Foxii Antennas
by "George T. Baker" <w5yr@swbell.net>
- 85) [52941] Re: NorCal Toroid Kit
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 86) [52942] Twinax available ?
by WB9MII@aol.com
- 87) [52943] FOX: Pre-Fox Bash at W8RU
by Ron Majewski <majewski@erim-int.com>
- 88) [52944] Re: FOX: Pre-FOX Warm-up for KU7Y
by Monte Stark <ku7y@dri.edu>
- 89) [52945] Re: 10Meter beacons & intruders
by "Richard E. Robinson" <rerobins@email.uncc.edu>
- 90) [52946] Re: Nov SS CW Heads Up Note
by Monte Stark <ku7y@dri.edu>

- 91) [52947] Re: Foxii Antennas
by Bob Patten <n4bp@bc.seflin.org>
- 92) [52948] Request for Beaconing info
by "Jack Oakland, CA" <w6abc@yahoo.com>
- 93) [52949] Re: Stable Capacitors
by Laura Halliday <lha@sdr.utias.utoronto.ca>
- 94) [52950] Thanks!
by Bob Patten <n4bp@bc.seflin.org>
- 95) [52951] New Rigs to be seen at Pacificon
by Monte Stark <ku7y@dri.edu>
- 96) [52952] Sample QRP Hall of Fame nomination
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 97) [52953] Re: PC Board Tinning Solution
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 98) [52954] HP Crystal Oscillator Units
by "George T. Baker" <w5yr@swbell.net>
- 99) [52955] Words per minute
by Brad Mugleston <bmug@gwl.com>
- 100) [52956] Re: Mixer Circuits: Build 'em or Buy em?
by "Mike Czuhajewski" <wa8mcq@erols.com>
- 101) [52957] Need a Favor
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 102) [52958] Re: Words per minute
by "Ron Smith" <resmith666@uswest.net>
- 103) [52959] 10m antenna @ R/S ?
by Gary L Surrency <gsurrency@juno.com>
- 104) [52960] Pre-wired 2.1mm power plugs
by "Kory Hamzeh" <kory@avatar.com>
- 105) [52961] Re: Words per minute
by "Rod Cerkoney" <rlw@frie.com>
- 106) [52962] Re: Words per minute
by Shephed@aol.com
- 107) [52963] RE: Words per minute
by Brad Mugleston <bmug@gwl.com>
- 108) [52964] Fox party
by Dan Presley <talljazz@teleport.com>
- 109) [52965] FOXHUNT: pre foxhunt bash fox taut III
by Rod Cerkoney <rlw@frie.com>
- 110) [52966] Re: Words per minute
by Rod Cerkoney <rlw@frie.com>
- 111) [52967] Re: Foxii Antennas
by "KA5T Larry Wise" <lewise@inetport.com>
- 112) [52968] German language QRP Listserver
by DL2FI@t-online.de (Peter Zenker)
- 113) [52969] Re:Pre-wired 2.1mm power plugs
by Ed Loranger <we6w@qsl.net>
- 114) [52970] Re:Pre-wired 2.1mm power plugs
by "Mike Yetsko" <myetsko@insydesw.com>

115) [52971] QRP sites in Cambridge, MA
by "Michael L. Miller, M.D." <millerm@merle.acns.nwu.edu>
116) [52972] Re: Words per minute
by JClinton46@aol.com
117) [52973] DL QRP PA
by Bigbob97@aol.com
118) [52974] CB/10m R/S vertical pn. 21-689
by Gary L Surrency <gsurrency@juno.com>
119) [52975] Re: Lead, cyanide, and other pastimes
by "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
120) [52976] Re: Words per minute
by "Marshall Emm" <mgemm@technologies.com>
121) [52977] Oops #2, More Pacificon Vendors and another New Club Kit!!!!
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
122) [52978] Fox W0MC on the run...
by "Jerry McCollom W0MC" <w0mc@hotmail.com>
123) [52979] Re: Foxii Antennas
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
124) [52980] Fox: Par-ty! Par-ty! Par-Ty!
by Ed Loranger <we6w@qsl.net>
125) [52981] Re: Words per minute
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
126) [52982] Re: Words per minute
by igeq100@iupui.edu
127) [52983] Radio Havana Cuba
by charles k brown <n4so@juno.com>
128) [52984] Morse software doesn't have to be big
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
129) [52985] Foxhunt: Pre-foxhunt event tonight
by "Paul Helbert, Wv3j" <phelbert@rica.net>
130) [52986] Re: CB Amps on 10 Mtrs
by "Randy Jouett" <rules@bellsouth.net>
131) [52987] Re:Morse software doesn't have to be big
by Ed Loranger <we6w@qsl.net>
132) [52988] OT: Cyanoacrylic Hazard
by wb2vuo@juno.com
133) [52989] RE: Intruders & 10mtr beacons/Doc's ant farm
by hamjoel@juno.com
134) [52990] Pre-Foxhunt
by "Steve Sorrell" <ap036@detroit.freenet.org>
135) [52991] Re: Foxii Antennas
by Tom Palmer <n1tp@worldnet.att.net>

Date: Mon, 11 Oct 1999 16:08:11 -0700 (PDT)
From: "Jack Oakland, CA" <w6abc@yahoo.com>
To: qrp-1@Lehigh.EDU

Subject: [52857] FS:30M CW,40M CW/SSB MFJ QRP Station
Message-ID: <19991011230811.4799.rocketmail@web2103.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

For Sale:

Since acquiring a multiband QRP rig, I've decided to
sell the radios
below as a unit. *(are original prices)
MFJ-9030 30 meter CW Transceiver (\$189)
MFJ-9440X 40 meter CW/SSB Transceiver w/mic (\$249) and
MFJ-415 CW add on
board (\$40)(installed)
MFJ-971 QRP antenna tuner/swr/wattmeter (\$100)
If purchased new the cost would be \$578 + tax and
shipping from MFJ
All radios are in like new condition and have not been
taken to use in
the field or mobile.
I am asking \$450 shipped conus.
Complete description of all units on the MFJ web site
(below).
<http://www.mfjenterprises.com/transceivers/mfj9040.html>
- MFJ-9030
<http://www.mfjenterprises.com/transceivers/mfj9420.html>
- MFJ-9449X
<http://www.mfjenterprises.com/tuners/mfj971.html> -
MFJ-971
<http://www.mfjenterprises.com/transceivers/adapter.html>
- MFJ-415
73,
Jack

=====

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Mon, 11 Oct 1999 16:16:18 -0700
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu, rattray@siast.sk.ca
Cc: N5JI@aol.com, talljazz@teleport.com, BenNW7DX@aol.com

Subject: [52858] Introducing the Night Owls team!
Message-ID: <38026FC2.AA9E803B@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ok, that's it! Stand by. Prepare to be ruffed up by
the newest Fox Hunting Team!

Please meet the "Night Owls" ta-da-tad-a-sploosh! <drumroll, ok?>

Night Owls: 1999/2000 Fox Hunting Team

WE6W	Ed
N5JI	Rich
N7CQR	Dan
NW7DX	Ben

We can see in the dark. We are swift and sure to swoop
down and talon-ize our prey. We especially like to follow
the scent of the fox until he tires -- then strike without
mercy!

If you hear hootin' and Hollerin' chances are the
Night Owls are feasting on prime foxii!

Now for another nap.....

72/Ed we6w "Night Owls"

--

-Ed AR Millennium Q's=>1400/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

Date: Mon, 11 Oct 1999 19:17:06 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [52859] Log Help with PA QSO Party
Message-ID: <013801bf143e\$bc7d0120\$78e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All,

First I want to thank everyone for their replies so far
with the information on when I made a contact with
their station on the 1st day of the contest.

If you think you made a Q with WB3AAL in Berks Co.
could you please check your log and send me the information.
I know this seems kind of unreal since some stations made over
1,000 Q's. But if you can check I would be very grateful. I was
having the best run ever with QRP power. I made 252 Q's but
something happened to the program and it only saved 101 Q's.
I did not run on Sunday because I did not want to hear all day
SRI QSO B4 or Dupe, you know what I mean. I am in communication
with the owner of the program that I was using. So I did a little work
on some Web pages on Sunday.

Thanks to everyone!!!
There is always next year.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Mon, 11 Oct 1999 18:16:54 -0500
From: "Mike D." <hrg@megsinet.net>
To: QRP-L@LEHIGH.EDU
Cc: CW@qth.net, TENTEC@CONTESTING.COM
Subject: [52860] RE: [CW] HANDKEY PROJECT A BIG SUCCESS
Message-ID: <000001bf143e\$b532dac0\$31ced6d8@urbancom.net>
MIME-version: 1.0

Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Please note that the correct URL for the pin graphic is:

<http://www.qsl.net/n9bor/n3byy.htm>

73 de Mike, N9BOR
FISTS NR 4594
<http://www.qsl.net/n9bor>

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.
I want to party like it's 1969.
Solid State leaves me cold.

> i'LL REALLY STOP TAKING ORDERS AS OF 10/15/99 9:00 PM est OR 10/16/99
> 00:00z.
> YOU CAN SEE A PIC AT [HTTP://WWW.QSL.NET/N9BOR/N3BYY.HTM](http://WWW.QSL.NET/N9BOR/N3BYY.HTM)
>
> TNX AGAIN FOLKS FOR THE BW AND APPRECIATE EVERYONE BEING SO KIND WHILE i
> CLOG THE LISTS WITH MY PROJECT MESSAGES.
> PLEASE NOTE THE BLACK AREA ON THE PIC WILL ACTUALLY BE A DARK BLUE.
>
>
>
> 73 de Scott/n3byy
> Laurel MD
> Fists #5030 . Qrp-1 #1689
> for immediate response, send mail to n3byy@amsat.org

Date: Mon, 11 Oct 1999 19:21:04 -0400
From: "J. Ervin Bates" <w8erv@msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52861] FS: Realistic HTX 202, (2) business band radios, too!
Message-ID: <[037a01bf143f\\$4aff3e40\\$3b25143f@ervbilt525](mailto:037a01bf143f$4aff3e40$3b25143f@ervbilt525)>

Hi gang!

Well, I need to make some more room since our local HamFair yesterday, so I have a couple items for sale. An HTX 202 2m HT, in good shape. Few scratches and it comes with the low and high output batteries (sri-no charge plug), as well as an external mic.
Price is \$85, plus shipping.

I have a pair of Realistic business handies, new in the box (for hobbyists, you need a license to operate at this freq.). Freq is 154.600 and these are TWO channel units, so you can add one at will. Both come in original packaging, they are NEW and have manuals, too. \$130 for the pair, plus shipping.

If you are interested in the HT and the business handies, \$200, plus \$15 for shipping and they are yours. Please reply via email.

72/73,
Erv W8ERV

Date: Mon, 11 Oct 1999 19:00:56 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-l@Lehigh.EDU>
Subject: [52862] pop-up spam coming in with QRP-L messages?
Message-ID: <003801bf143c\$7af47e60\$3ce78ad1@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is OT but affects us all, I believe.
What is it about certain messages on QRP-L that when opened, a little pop-up window comes up asking me to install Internet Explorer? This just happened when I opened Toru Kato's message about the Norcal "tproid" kit. It happened once before, maybe a month ago, but I didn't make the connection to the e-mail, but it may have been this same person. Is this some sort of scam or spam? Whatever it is, I don't like it and it seems intentional.
Dave K8TRF

Date: Mon, 11 Oct 1999 19:36:10 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [52863] States that have the Appalachian Trail with in it's borders
Message-ID: <016201bf1441\$66e0c6e0\$78e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I am looking for anyone that has the Appalachian Trail
run through their borders to help co-sponsor

"The Appalachian Trail Award"

This is for anyone that can prove that they QSO'ed with
one station from every state with QRP power that has
the trail run through it's borders. This station would
receive the award from the sponsoring clubs.

72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	HI-QRP #153

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Mon, 11 Oct 1999 19:46:08 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <dodgeboy@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-
1@Lehigh.EDU>
Subject: [52864] Re: pop-up spam coming in with QRP-L messages?
Message-ID: <003301bf1442\$ceab67c0\$ec1cfea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>This is OT but affects us all, I believe.
>What is it about certain messages on QRP-L that when opened, a little
pop-up
>window comes up asking me to install Internet Explorer? This just happened
>when I opened Toru Kato's message about the Norcal "tproid" kit. It
>happened once before, maybe a month ago, but I didn't make the connection
to
>the e-mail, but it may have been this same person. Is this some sort of
>scam or spam? Whatever it is, I don't like it and it seems intentional.
>Dave K8TRF

Did it say install IE, or did it say install a new component of IE??

With version 5.0, IE/OE now has a feature that if there is something
in the message it doesn't understand, but it 'sorta' knows what it
is, it will pop up and ask you if you want it to go get that component
and automatically install it.

I see this a LOT with asian character sets, even if the message
to me is all english. It must be picking up characters in the
envelope and triggering on it.

Mike Yetsko
N1DVJ

Date: Mon, 11 Oct 1999 17:54:27 MDT
From: "Jerry McCollom W0MC" <w0mc@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [52865] Re: W0MC Portable Op this afternoon
Message-ID: <19991011235427.14085.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Well, not much luck with today's operations. I did have one QSO with N3BYY
in Laurel, MD, but it was pretty brief because both of us were down in the
mud. One other aborted QRP-QRP qso w/ N0SA ... I answered, he came back, I
replied, and no response.... Scott, if you're out thee, you were a good 559!
:-)

Next week I'll have an MFJ portable, so I'll give that a go... same bat
time, same bat channel! :-)

73,
Jerry
WOMC

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 11 Oct 99 16:56:50 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-l@Lehigh.EDU
Subject: [52866] manhattan pads
Message-ID: <Chameleon.939686834.anthony@anthony>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Can't you just solder the things to the board? You've already got a soldering iron hot. I haven't used this exact type of construction, but I have used the one where the chip of PCB material (single sided) is scored and then soldered tombstone-style to the substrate. The scoring divides the bottom, soldered-to-the-board part of the chip from the top solder-leads-here part of the chip.

73,
WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com, afelino@eng.delcoelect.com
telephone: (805) 730 1565, x25
fax: (805) 730 1569

Date: Mon, 11 Oct 1999 20:35:36 -0400
From: "Vincent Ferme" <vferme@sprint.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52867] Re: pop-up spam coming in with QRP-L messages?
Message-ID: <000701bf1449\$b4707420\$b83667d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

Looks like you have the font update feature turned on. What you probably received was an offer to download the Japanese characters. It happens when the sender has his/her software set to use their language characters as oppose to English.

Hope this helps.

73 de Vince, VE3VFN.

Date: Mon, 11 Oct 1999 20:33:53 -0700
From: "David Benson" <nn1g@earthlink.net>
To: "Joe Everhart" <n2cx@voicenet.com>, <QRP-L@lehigh.edu>
Subject: [52868] Re: Epson custom oscillators
Message-ID: <003901bf1462\$c3a3b6a0\$b596173f@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Joe Everhart <n2cx@voicenet.com>
To: David Benson <nn1g@earthlink.net>
Date: Monday, October 11, 1999 4:13 PM
Subject: Re: Epson custom oscillators
>>

>>-----Original Message-----

>>From: Joe Everhart <n2cx@voicenet.com>
>>To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
>>Date: Sunday, October 10, 1999 6:07 PM
>>Subject: Epson custom oscillators

>>>The custom-programmed Epson oscillators have been mentioned a number
>>>of times lately
(snip)

>>>To be useful it's gotta be clean.
>>>

>>>So, has anyone done any careful measurements of the phase noise/jitter
>>>(same idea, different domain) characteristics of those oscillators?
>>>The Epson data sheets don't have that level of detail.

I looked at the similar Epson frequency multiplier chip - the wide
frequency-range application (~25-100 Mhz) clock was a tipoff that the output

'cleanliness' would leave something to be desired. This was confirmed with a peek at the ol' spectrum analyzer- quite a bit of phase noise. This is actually an unintentional form of spread-spectrum, and is 'goodness' when used in consumer devices which are potentially interference sources. Careful measurements? Heck no! - that device didn't warrant further evaluation as a frequency source in a transceiver design.

I just ordered one of devices today, Joe, and I'll get back to you. My suspicion is that it'll behave a lot like the frequency-multiplier chip in terms of phase noise, but it's worth looking at. :-)

Anyone else looked at these puppies?

73- Dave

Date: Mon, 11 Oct 1999 17:38:22 -0700
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52869] A visit to "Papa" Burdick's lab...
Message-ID: <199910120036.RAA19912@proxy2.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi gang,

Sorry to be out of touch for a while... career stuff, ya know ;-)

I recently had an opportunity to visit Wayne at "Elecraft North" and test drive some of the new K2 options headed your way. And, no I don't have an SSB adapter in my K2 as yet ;) But I soon will !

First things first. I got acquainted with Wayne's new daughter, and future CEO of Elecraft, Ms. Marissa Burdick. She's a *real* charmer and we would have talked longer, but she had to get back to her personal trainer and her C++ programming lessons. They start them out pretty early here in 6-Land.

1.) The K2-SSB adapter. Wayne walked me through a live

demo, we looked at the neat installation in his K2 and then got down to business and checked into the 20m Maritime Net for a "radio check." Great reports from the east coast and 5-Land running about 10W to Wayne's homebrew tuner to his end-fed random wire that terminates into the 50 foot redwood tree behind his lab. Yes, it's the same wire he wrapped around a tennis ball and hand-launched several years ago. I was very impressed with transmit and receive performance. You're going to love this one!

I've also had the opportunity to QSO with N6KR from my QTH (2 miles south) and we nearly got Eric/WA6HHQ in a "3-way" when he was up in Tahoe on vacation. I had to run my IC-735, but Wayne and Eric were both running K2's. Wayne and I didn't have a great path to Eric, so that was tough going -- but I was very impressed with how Wayne and Eric's K2's sounded on my Icom. Later, Wayne and I ran through all the bands and tested SSB filters, speech compression, and overall performance. I voted for a bit more compression --a bit more Yaesu punch ;-) Normal voice sounded perfect. Wayne noted that he would pump-up the compression a bit.

SSB summary: Ever read all the "chest pounding" on QRP-L about, "I threw my Mic away 10 years ago?" Well, a *lot* of those guys are going to be looking for those Mics! With 10M & 15M running hot, the K2-SSB is really going to be a blast!

2.) The K2-NB (Noise Blanker): Firstly, I'll admit that I've never been overwhelmed with most ham radio NB's -- seems like *my* noise source is always outside their realm of influence ;) However, the K2-NB does a *very* effective job on common noise sources when tested in Wayne's Noise Lab -- under the hood of his rust-colored 1989 Mazda sedan, with a "sniffer wire" wrapped around the ignition coil on the Mazda engine -- fed directly into the BNC on the K2! It works! Now, will it snuff out your neighbor's arc welder or electric cattle fence? Uummm, YMMV. But, the great news is Wayne sounds open to discussions on arc welder and electric fence mods :) Now, if I could only influence Wayne to incorporate Icom's newly-designed, 32 bit floating point DSP Digital IF filter with 51 selectable bandwidths, microphone equalizer, manual notch function! But, that's a lot to ask for \$29.00, eh?

NB Summary: as Noise Blankers go, the K2-NB is far better

than most and as good as an IC-781-NB! It's a good buy!

3.) The K2 160M/dual ant option: I'm not a fan of 160M -- probably because I've never been able to erect a competitive antenna for the lowfer. But, dual-antenna switching is a "must have" for me. I constantly switch between the yagi and the wire. But, the *real* reason to buy this option is that it receives AM broadcast... well, part of the AM band anyway. And, Wayne tells me that mod info will be available to "open up" the board for those of us who enjoy late nite AM DXing -- we'll be able to tune the entire AM band! As a demo, we tuned into a Bible/Talk-Show/Right-Wing/Palm-Reading/Elvis station just south of 160M. Wayne and I shared a lot of laughs as the DJ did his thing! The man was a pro and we learned a lot about Y2K mania, Elvis and palm-reading.

160M Summary: Lowfer or not, you'll use the dual ant switching and AM DXing will take you back to your youth! At \$29.00, it's a buy!

4.) The K2-ATU: I got a chance to inspect this little two-board wonder -- about the size of quarter-pound stick of margarine -- only a bit shorter. It will reside just behind the K2 internal battery. Very clever little package. No wires. All headers. Slick! The ATU wasn't fully populated when I checked it out -- obviously not functional at that point. It will offer latching relays (no holding current), memories (less need to retune from scratch), and best of all it will be K2-internal -- all-in-one-box convenience! Naturally, the ATU and the K2 will be able to *talk* to each other -- much smoother operation, even if you're as much of an LDG fanatic as I am.

ATU Summary: If Elecraft's ATU is as good as LDG's it will be worth the money - \$125.00 - simply because it's internal. To which Wayne replied, "Hey, my daughter wrote the firmware for this thing. Just wait until you demo the ATU, Mister!"

So, if you like your K2, you'll like the options. They are typical of Elecraft's high quality and reasonably priced, IMO.

Gud DX es Happy Pacificon to all !

72,

Conrad Weiss - NN6CW
serial number -- it still reads 9000... did I install it
backwards ;) ?

Date: Tue, 12 Oct 1999 00:36:56 -0400
From: Richard Arland <k7sz@epix.net>
To: Larry Cahoon <wd3p@juno.com>, qrp-1@lehigh.edu
Subject: [52870] Re: On the Road Again
Message-ID: <3802BAE8.A5C43BD1@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry, et al:

OK, OK.....I just talked with Fran, KA3WTF, and I will be borrowing his
NorCal-40A (Wilderness version) so I will be on 40 meters for those who
might need Green County (PA). Look for me around normal QRP freqs
(7040/14060) after 6PM Tues-Thurs evenings.

Plans call for using the QRP Commando Stealth Dipole (a 1/2 size G5RV
made from #24 speaker zipcord) a LDG QRP tuner, the RH-20 and the
NC-40A. Hope we can do some good.

73 Rich K7SZ

Larry Cahoon wrote:

>
> On Mon, 11 Oct 1999 03:31:38 -0400 Richard Arland <k7sz@epix.net> writes:
>
> >I'll be at SCI-Green (in Green County) very close to the West (By God)
>
> You won't happen to have 40 M - that is the last county I need in PA
> QRP..... 20 M just won't swing it to MD
>
> 73 de Larry.....WD3P in MD
>
>
> -----
> Get the Internet just the way you want it.
> Free software, free e-mail, and free Internet access for a month!
> Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 11 Oct 1999 17:46:02 -0700 (PDT)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: Message posts for QRP-L <qrp-l@lehigh.edu>
Subject: [52871] TUCSON BOUND
Message-ID: <19991012004602.10399.rocketmail@web215.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello Y'all - -

Well, my business trip to Tucson takes place tomorrow.
Leaving Dallas in the morning and returning late
Friday afternoon. Sierra is packed, so listen for me
on 20, 30, and 40. Most operating will be evenings
although I have no idea how late I'll be working
(working business, not working QSO's). I expect to be
in Tucson most of every week from now till at least
mid-November, so another week would like to get
together with any QRP'ers who want a bite.

72's es 73's,

Brad, W5CGH

=====

Brad Bradfield, PE	Soon to be ex-Systems Engineer
W5CGH (ex WB0CGH)	for Raytheon Systems Company

Real men talk with their fingers!!

NORTEX	QRP-L #377	QRP-ARCI #10012	SMIRK #4906
ARS #72	NORCAL	Austin QRP Club #i	

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Mon, 11 Oct 1999 17:45:10 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52872] FOX: Pre-FOX Warm-up for KU7Y
Message-ID: <Pine.GS0.4.10.9910111743350.21329-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I will also be on for the Fox warm up Tue eve at 0030z.

That Tue eve local or Wed AM GMT :-)

Full 5w so watch those ears.....

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 11 Oct 1999 18:07:41 -0700
From: sigcom@juno.com
To: qrp-l@Lehigh.EDU
Subject: [52873] TT-2/MRX mods
Message-ID: <19991011.180742.-288261.0.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Group,

OK, I finally got the 2 db I was looking for in the harmonic attenuation.

I tried Dave Meacham's latest mod (C6 & C7 560 pF) with negative improvement. The output power went down considerably but the current drain stayed the same. I suspect that the filter cutoff freq. was pulled in to close to the carrier freq. It looks like the consensus is that Dave M.'s original design is the way to go.

Now, I -was- 2 db short on the 3rd harmonic attenuation. Why I'm not getting the same results as Dave Fifield (hellooo, is anyone else out there testing?) I don't know. It'll be interesting to compare rigs on the test setup at Pacificon.

I changed the PA to straight class 'C' (is there such a thing?):
Grounded the emitter and eliminated the 8.2K (or 8K2) base to A+ resistor and reduced the base to ground resistor to something I can't remember right now (I'm at the office).

Measurements:

13.5 VDC
79 mA PA current
650 mW power output (quite an improvement, now PA efficiency is 60%)
2nd harmonic -34 db
3rd harmonic -30 db (whew)

IMO, going to class 'C' should've made things worse in the harmonic dept., but I won't argue with success.

I added a keying circuit with some wave shaping. I used a PNP (MPSA 55) driving a MOSFET (VN10K) pulls the oscillator emitter resistor to ground. Works good. The VN10 has very low on resistance so the oscillator makes full drive. There is a little chirp. More like a whoop, very slight. I tried a regulator for the oscillator with no change so I'll have to chalk it up to crystal heating. Maybe 10 or 15 Hz change, just enough to be annoying. Not enough time left to go after that, so I'll be sending with a TT-2 toot.

That's it for now.

73.....Steve, WB6TNL

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Mon, 11 Oct 1999 20:39:52 -0500
From: "Bruce" <n9jcv@wwa.com>
To: <qrp-1@lehigh.edu>
Subject: [52874] Wanted to Buy QRPP
Message-ID: <005501bf1452\$aedc2500\$1f44ee9d@WWA>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would like to buy the following ORIGINAL publications. At this time I would not be interested in photocopies.

QRPP - Spring & Summer 99
I am willing to pay \$4 for each.
Bruce N9JCV

Date: Mon, 11 Oct 1999 21:47:23 -0400 (EDT)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: QRP List <qrp-l@lehigh.edu>
Subject: [52875] FOXHUNT: Tuesday Pre-Foxhunt Party
Message-ID: <Pine.OSF.3.95.991011214352.5183C-100000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

All foxii are invited to call CQ FOX tuesday night for the pre-foxhunt warm up. Look on 20M for SPECIAL GUEST FOX, Chuck Adams K7QO founder of the QRP-L and the foxhunts.

Momma fox W8KC will also be on the air - probably after 0200Z on 40M.

Just a last reminder...

This Tuesday evening (in the US) hounds are encouraged to look for our official QRP-L foxii around the official QRP calling frequencies.

Foxii will try to spread out and will report to QRP-L regarding times and frequencies of operation. Hounds ONLY work foxii, Foxii only work hounds, Only FOX stations call CQ FOX. Hounds, please hunt and peck.

Oh... momma fox may make an appearance too... I'll call CQ Fox - what the heck, I make the rules up as I go along, or so I've been told.

Please post results to QRP-L with the typical FOXHUNT filter in the subject line.

Good Luck!!!

Mom

Foxhunt website <http://www.acs.oakland.edu/~prvalko/foxhunt.htm>

73! =paul= W8KC
Collector of Ten*Tecs and other fine plastics
<<http://www.acs.oakland.edu/~prvalko>>

Date: Mon, 11 Oct 1999 21:51:12 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [52876] Re: How does an overtone crystal work?
Message-ID: <38029410.13966D6F@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

"Robert W. Shaw" wrote:

> Can anyone tell me, does an overtone crystal oscillator (using an overtone
> crystal) work by having high harmonic content in the output waveform at the
> fundamental frequency (ie a distorted sine wave), or does the crystal
> element actually oscillate like a violin string at a harmonic of its
> fundamental frequency (ie say 3 or 5 nodes)?

Bob,

An overtone oscillator does the latter - the crystal vibrates in a complex mode. There is a tuned circuit that causes the overtone frequency to be fed back to the crystal - otherwise the crystal would vibrate in fundamental mode. Not coincidentally, 3rd and 5th overtones (odd multiples) are typical.

The first situation you describe would be an oscillator followed by a frequency multiplier (doubler, tripler, etc.) The "multiplier" is a tuned circuit (possibly with amplification) that selects the desired harmonic and filters off the others.

> If the former, is there anything different about the oscillator circuit to
> increase the harmonic content, like biasing it to run in a non-linear
> portion of the amplifier's gain curve?

That is usually the case. Sometimes, if an even harmonic is desired, the equivalent of a full-wave bridge rectifier is placed in the circuit.

> I haven't found any reference that makes this distinction clear to me.

I remember seeing - possibly in an old ARRL handbook that I no longer own - a sketch of a crystal slab vibrating in fundamental vs. overtone modes. My 1988 Handbook doesn't have it, nor does my Art of Electronics. I hope someone can come up with the answer.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13if
dlh1009@rit.edu

Date: Mon, 11 Oct 1999 21:20:42 -0400
From: "Scott Howell" <n3byy@yahoo.com>
To: <qrp-1@lehigh.edu>, <cw@qth.net>, <tentec@contesting.com>
Subject: [52877] handkey with caps lock
Message-ID: <032801bf1453\$d259ba00\$a961b683@HQ.NASA.GOV>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

sorry folks about the mail with the caps lock stuck on. My speech software
isn't setup for letting me know on these things. Long explanation why, but
in any case must have hit it with the headphone plug<g>.
sorry about that and tnx folks for pointing it out.

73 de Scott/n3byy
Laurel MD
Fists #5030 . Qrp-1 #1689
for immediate response, send mail to n3byy@amsat.org

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Mon, 11 Oct 1999 22:01:24 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [52878] Re: pop-up spam coming in with QRP-L messages?
Message-ID: <38029674.7FF1EDCA@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Dave Benham wrote:
>
> This is OT but affects us all, I believe.

> What is it about certain messages on QRP-L that when opened, a little pop-up
> window comes up asking me to install Internet Explorer? This just happened
> when I opened Toru Kato's message about the Norcal "tproid" kit. It
> happened once before, maybe a month ago, but I didn't make the connection to
> the e-mail, but it may have been this same person. Is this some sort of
> scam or spam? Whatever it is, I don't like it and it seems intentional.
> Dave K8TRF

Dave,

Is your e-mail software a Microsoft product, by any chance? Perhaps your
mail reader recognized something in the message (a URL maybe, or the
message was formatted for HTML) that it thought would be better handled
by a browser.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13if
dlh1009@rit.edu

Date: Mon, 11 Oct 1999 22:29:27 -0500
From: "George Heron" <n2apb@erols.com>
To: "NJQRP" <NJQRP@njqrp.org>, "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [52879] Announcing new QRP publication [long]
Message-ID: <022701bf1462\$025d9060\$b699accf@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Hi All,

I'm very pleased to formally announce the creation of a new
nationally distributed QRP publication called "QRP
Homebrewer."

The concept has been germinating within the Jersey QRP Club
for some time this year and has now come to fruition with
our premiere issue recently going to the printer.

The QRP Homebrewer will be published on a quarterly basis
(Nov/Feb/May/Aug) by the New Jersey QRP Club as a service
and benefit to the entire QRP community. You don't need to
be a member of the NJ-QRP in order to subscribe; in fact we

encourage article contributions from QRPers all around the world.

We have a dual theme for the content of QRP Homebrewer. The first part is, you guessed it, about homebrewing of QRP equipment, gadgets & gizmos, antennas, tools, and other accessories used by QRPers every day. We ll have occasional operating-related and other non-construction articles, but the focus of each issue will be targeted for the technical homebrewer in each of us.

The second part of our theme deals with the experience level of our target audience. We re hoping to provide projects, information, ideas and common sense construction techniques suitable for the beginner homebrewing readers. Can you recall when you had (what now seems like) real basic questions about component lead length, which type of capacitors to use in a VFO, how to string a dipole in the trees, how to make neat enclosures, etc.? Well, QRP fever is hitting epidemic levels now and the thirst for this basic knowledge is correspondingly growing like crazy. That "beginner QRPer and homebrewer" audience is the one we will mostly address with our articles. But here too we ll occasionally have some advanced topics tossed in to keep everyone s interest along the way.

We hope to help meet the demand for this information along with the other fine QRP publications: QRPP, SPRAT, QRP Quarterly, The Pennywhistle, The Lowdown, and others. In fact, our publication dates are offset from the dates of most others (we re set for mid-season) in order to provide a continual flow of information for QRPers throughout the year.

Our first issue of QRP Homebrewer is a very special one for us in that it addresses in a major way the fundamental question each one of us has asked along the way: Which kit should I buy and build? What s the best bang for my dollar/pound/peso? We re very pleased to have Doug Hendricks, KI6DS contribute his wonderful piece describing the decision making he goes through in evaluating the various equipment on the market. Granted it s only one man s opinions, but it gets our own juices flowing to consider our particular needs. This is a fabulous piece for the newcomer to QRP!

We have a bunch of contributors from the NJQRP gang: Joe Everhart, N2CX, our technical guru and my mentor, describing

antennas to build for success in the field. Other member-authors this time include WA2DJN, AA1MY, W2GUM, N2GJU, WB3AAL, and N2CQ. Let us know if you enjoy this issue! The Winter issue is already on the drawing boards and is going to be a knock-out!

Get a load of the neat articles we have in our Fall 1999 Premiere Issue ... 64 pages chock full of homebrewer-focused material!

* Which Kit to Build?, by Doug Hendricks, KI6DS. Like I said above, this major contribution by Doug substantially addresses the first question most of us had when we started. (And many of us continue to have this question!) This is an authoritative reference work. Thanks Doug.

* Homebrewing your Own Printed Circuit Boards, by Gary Diana, N2GJU. When Gary Diana heard through the grapevine that we were doing a new publication to specifically address beginner homebrewing, his was one of the first emails in my Inbox requesting to submit an article. Gary brings a tried 'n true success track record with Brad Mitchell at Embedded Research, and he shares a very cool way to make pcb's at home.

* Build a T-type Tuner, by Dave Ottenberg, WA2DJN. Dave is one of the more active homebrewers in the Jersey QRP gang, and he's personally assisted me on some of my antenna projects (Small Transmitting Loop antenna.) Dave actually submitted 3 articles for our first issue of QRP Homebrewer, but I had to leave out the third one due to space limitations ... just too much good stuff was submitted for our premiere issue!

* Portable Antenna Success, by Joe Everhart, N2CX. Joe is amazing. He's my technical hero and I'm so very proud to have him as a friend and a mentor. Doubly so because of his guiding "guru" influence with us in the Jersey QRP group. Joe contributes this major article overviewing the variety of different antennas in the field, the benefits and uses of each, and what his recommendations are under various circumstances. Like Doug's, This is one from N2CX is one super reference article!

* Super Field Day Antenna, by Dave Ottenberg, WA2DJN. Dave does it again with a neat construction article ... actually an "instantiation" (as we say in the software field) of one of the antennas Joe mentioned in his preceding piece.

* A Beginner's Guide to the Jersey Fireball 40 , by T.J. Skip Arey, N2EI. Skip really dived into the construction aspects of the Fireball 40 QRPP transmitter project, and he shares some of his experiences with us. Nice augmentation perspective to the existing material ... you'll want to look at this one, even if you don't have an FB40.

* Bringing QRP to the Field, by Seabury Lyon, AA1MY. "Seab" is a great story teller. (What else would you expect from the guy who put together the QRP Antenna Kite at Atlanticon this past March?!) He tells us all sorts of details of how he's found success in getting his radios operating out in the field. There are *many" non-obvious aspects to think about, and many homebrewing aspects of going to the field.

* Universal Time Coordinated, by Ken Newman, N2CQ. Ken is our contest guru in the Jersey group, and he shares some of his thoughts on the importance of consistent use of UTC on QSL cards, skeds, correspondences, etc. Nice, simple & direct piece!

* Introducing The Eastern PA QRP Club by Carter Cragie, N3AO and Ron Polityka, WB3AAL. We plan on spotlighting a different QRPclub in each issue of QRP Homebrewer. Tell of the club's activities, interests and personnel capabilities. Who knows, perhaps there's a new QRPer sitting in your local town and he'll get plugged in by reading our publication. This time it's the overview of the EPA QRP Club.

* The Gummer Winder, by Tony Colaguori, W2GUM. "Gummer's Gizmos" ... that's what we've called "Tony the Gummer's" contributions of little toys he whips up in his workshop. This issue's piece is very cool, and some of his pieces in coming issues will be of great interest to all.

* Books, Utilities and Websites for the Homebrewer, by Ron Polityka, WB3AAL. Ron has been pumping this reference information around on the mail lists for some time (i.e., "look at this", "check out this program", etc.). Well, I put him to the test and he's stepped up just wonderfully with what may turn out to be a regular review of tools, software programs, websites, and literature that most of us find so enjoyable.

* The Tuna Tin 2 QRPP Transmitter (revisited), by Doug Hendricks, KI6DS. As most of you know, we (NJQRP) have been collaborating with KI6DS and NorCal for some time on the

Tuna Tin 2 project. Recent news is that we're offering the TT2 kits to the general QRP public, and this article is a bit of a revamp of the original information on the websites.

* Atlanticon 2000 Announcement, by Dave Maliniak, N2SMH. Dave shares some of last year's rosey glow, and some of the planning issues on the table for next year's Atlanticon QRP Forum. Wait 'til you read where we plan on having it!

* QRP Homebuilder Workshop Ideas, from the QRP Homebuilder website (great complement to our newcomer to QRP and homebrewing theme ... what components to stock up with, ways to organize the bench and more!

* The Ugly Weekender Revisited, from the QRP Homebuilder website. This project is a favorite of mine, as it inspired our design of the Fireball Plus the 1.5W amplifier built onto the Fireball 40 transmitter pc board. W7Z0I has graciously allowed the NJ-QRP Club to use his material and he advised us during our design cycle. For these reasons we re pleased to put this article in our first issue of the QRP Homebrewer.

SUBSCRIPTIONS to QRP Homebrewer are now officially being accepted. Domestic subscriptions (US and Canadian addresses) are \$15 per year, delivered by first class mail. DX subscriptions are \$20 per year, delivered by air mail.

To subscribe send cash, or a check or money order made out to George Heron, N2APB to: George Heron, N2APB, 2419 Feather Mae Ct., Forest Hill, MD 21050. Funds must be in \$US and the check/M.O. must be drawn upon a major US bank.

Subscriptions start with the first available issue and will not be taken for more than 2 years. Membership in the New Jersey QRP Club is free and is not required for, or included in subscription to QRP Homebrewer.

If you want to give this first issue a try, send along \$2 (per instructions given above) and we'll send the Fall 1999 issue along to you by mail. If you like what you see, and enough to subscribe, this issue becomes your first and you'll get 3 more throughout the next 9 months.

Well, we're really excited about our QRP Homebrewer ... hope you also are after seeing it. A lot of hard, personal work went into this my many members of the Jersey QRP group and others. Please let us know what you think.

Thanks & 72/73,
--George Heron, N2APB
editor and publisher of the QRP Homebrewer
the nationally-distributed Journal of the NJ-QRP Club
<http://www.njqrp.org>

Date: Mon, 11 Oct 1999 22:29:07 -0400
From: neil tanner <ntan@crosslink.net>
To: qrp list <qrp-l@lehigh.edu>
Subject: [52880] re:mixers
Message-ID: <38029CF3.D87BD54E@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings-

Just wanted to say that the reply that Arnie gave regarding whether to build or buy mixers was a wealth of inspiration and information for me. I have asked myself the same question and have even built one but have never gone beyond that. All of the other radios built at this qth has been with the '602 device. However I did do the Pixie 2 or as it is known here...the Dixie Pixie and have always wondered why it did what it did....now I know. And maybe now I will get the diode mixer out and do some tests....Thanks Arnie.....best 72---Neil wa4chq

Date: Tue, 12 Oct 1999 02:44:13 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-l@lehigh.edu>
Subject: [52881] Re: Tuna Tin 2 pi output ckt
Message-ID: <199910120245.VAA23070@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Well gang, after going non-linear trying to duplicate some of the pi networks I see in the rigs we use, I decided to get out the old Elmer 205 stuff and run some

WinSpice simulations on the filters we have seen bandied about for the TT2....

After running a half dozen or so filters through the program, it dawned on me...

Boing!!!

I have been confusing filter response with rig harmonic and spurious output.

They are NOT the same....

I think that what we see in the filter simulations is how the output would look if we hit the input with broadband signals from the design frequency up. It tells how many db's the output would be down from the input at a given frequency....under these conditions.

When someone goes and does a measurement of the output spectrum with some of that fancy(expensive) instrumentation, we see what's coming out of that rig with a single(essentially) frequency input to the final. (Or in the case of errors in design or operation, some complex stuff as Dave Fifield found in his first look at the tt2 output.)

If the output of the final were 'clean' (in a 'good design' sense), such as Dave found after his T1 modification, maybe the original filter would have worked. If the second harmonic is down 15 db coming out of the final, then I guess your filter only needs to have 25 db of attenuation at the second harmonic frequency to make your 2f down 40 db....

But of course all of you guys must of known this and I was just plugging along here thinking that I understood what was going on :-)

Sure would be interesting to get someone at ARRL Hdq to look at the output of the original TT2 AT THE ORIGINAL POWER LEVEL, and show us the spectrum at the filter input and output.... A couple of pictures would sure be informative....

Anyway since that rig was made before April 15,1977, it is exempt from the purity specs of 97.307(d).....But not so for our rigs....we now must have all the spurious stuff below 50 mw and at least 30 db below the fundamental freq.....for rigs of less than 5

watts out...

Maybe we can have an 'entrance inspection' at Pacificon to see which rigs meet the spec... :-)

Alas....we may learn something yet....

Larry KA5T

Date: Mon, 11 Oct 1999 22:43:16 -0400
From: "The One and Only!" <mitch96@pobox.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [52882] Richie and Mitch on a Pacificon Adventure
Message-ID: <3802A044.F60AD161@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

Well, Wednesday we are off. (ive been off for years, but that's another story) To Concord California that is. My good buddy since I was five (im 50) Rich, is leaving from Kennedy Airport in NewYack, and I from Fort Liquordale Florida. This is gonna be neat. I haven't been to the Other coast in about 30 years.

Richie is going to bring His N2dan replica Merc (he builds them) and Im going to bring mine, another Long Island Merc from the stables of KG2ED. Plus i think he is going to bring along a unmarked "Pacificon/norcal" special if he can get the parts together. If Anyone is interested he will have a little setup showing what it takes to make a hand made key the way N2DAN did it. Its really interesting to see the process.

I was talking to Dr Alterbaum, one of the MD's where I work, here in Hollyweird, Florida. He is a Ham, WF2C, and purchased a Mercury paddle from N2dan years ago. He saw the paddles at a ham fest on LonGiland and liked them, but thought them too expensive (350!) But the case of the "IWANNAS" got the better of him (sound familiar?). He called him up and said he wanted the paddles. Steve said they would be ready in about a month. Dr A (then a poor resident) drove out to Freeport LonGiland to Mr Nurkiewicz home. He said you could not miss it, Big tribander on a tower!! AAAAAAHHHHHHH mecca!

Well in he goes and there is Mr Merc himself, of course on the bands working cw. They exchange the usual pleasantries and Dr A notices ol Steve is alittle snokered. He's drinking Schnapps, smoking cigarettes

and working cw. He was having a Hi Speed qso with a buddy from the F.O.C. group (First Class Operators club).

Apparently Steve Nurkiewicz was a cw op during the war in England, so he was very well learned in the Art of CW. So he is working this guy, drinkin', smokin' and talking with Dr A all at the same time. Then, with a bit of the Devil in his eye, he says Watch this. The chap on the other end finishes his sentence and waits for Steve's reply. He reply's and simultaneously starts varying the tuner knob!! and starts laughing!!

Well the good Doctor got one of the last of the paddles made on Long Island as Steve Nurkiewicz moved to Sunny Florida.
end of story.

If anyone that's going to Pacificon, who has an Original Mercury Paddle and would like to bring it to compare, that would be neat. Also any Hensley, G4zpy or Schurr drivers would like to do a "compare-0" come on along!! This should be interesting!!
See All of You there Soon..

--

73, mitch ww4ml

Date: Mon, 11 Oct 1999 22:45:18 -0400
From: "Harry Hurst" <hhurst@delaware.infi.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52883] SWR Bridge question
Message-ID: <000001bf145b\$d198e160\$0c30fcd1@upstairs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here's a goofy idea I came up with while cleaning out a dark corner of the cable closet at work today. I found a twinax jumper in with a bunch of old network cables. I'm wondering if I could run a piece of twinax between 2 coax jacks using one conductor and ground, and use the other center conductor as a pickup for a SWR bridge. What I have in mind is something like the old Knightkit SWR bridge I had back in the 70s.

Another question comes to mind. Cheapo SWR bridges work fine with QRP on 20 meters and up, but need more output power to reach full scale below 20. Is this due to the relationship of the length of the pickup vs. the length of the wavelength, or is something else going on.

Thanks.

Hap, WA3PTG

Date: Mon, 11 Oct 1999 22:04:37 -0500
From: Lee Bahr <bahr521@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [52884] NorCal Toroid Kit
Message-ID: <3802A544.61147AF5@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anybody know what kind of Ferrite Beads are included in the Toroid kit? They appear to be FB(XX)-101 size. Is the material 43,64,73 or 75 material? Sure would like to know. Any input would be appreciated.
Lee Bahr w0vt Houston, Texas

Date: Mon, 11 Oct 1999 23:06:54 EDT
From: K4NK@aol.com
To: qrp-l@lehigh.edu
Subject: [52885] Argo 515 connector
Message-ID: <0.c53502bb.2533ffce@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang;

I'm looking for a mini 9 pin molex connector that fits the back of a ten-tec 515. I need one that has all the pins so I can custom wire my own audio filter.

Thanks

Les K4NK

Date: Mon, 11 Oct 1999 23:00:26 EDT
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Subject: [52886] Manhattan Pads source
Message-ID: <19991011.193755.4487.0.ka7you@juno.com>

I've just been talking with the local PC board shop. There seems to be some interest in helping supply narrow strips from which to cut pads.

I asked about getting strips cut to 1/4 inch width, and random lengths so we could just snip them off ala the AZ sqrpions 2n/40 board kit.

What is the interest, and is that too wide for strips?

Replies off the reflector appreciated.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

80M thru 10M with K2 s/n268 and other fine QRP rigs.

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Date: Mon, 11 Oct 1999 20:56:04 -0600

From: Larry East <w1hue@amsat.org>

To: qrp-l@lehigh.edu

Subject: [52887] Illegal Rig??

Message-ID: <3.0.5.32.19991011205604.00920630@mail.ida.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I hate to be the first to bring this up, but how do you fellas at W1AW feel about running a rig that doesn't meet FCC requirements for spurious radiation suppression? The rig in question is the "Original Tuna Tin 2". Or did you guys change the output filter, in which case it ain't exactly original?

Just wondering... :-) ; -)

Date: Mon, 11 Oct 1999 23:15:06 EDT

From: K4NK@aol.com

To: qrp-l@lehigh.edu

Subject: [52888] swap..for 30 meter rig

Message-ID: <0.9d286abe.253401ba@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Gang;

I have a RFconcepts 2-417 2 meter 170 watt amp. Great shape, works perfect...I would like to swap for a 30 meter rig. OHR ,MFJ ,

Emtec..something like that. Any 2 meter SSB ers interested? Thanks

Les K4NK

Date: Tue, 12 Oct 1999 03:30:17 -0400
From: patrick m kvitkauskas <pmk@juno.com>
To: qrp-l@lehigh.EDU
Subject: [52889] NC/20 RIT or XIT ???
Message-ID: <19991012.033021.19318.1.pmk@juno.com>

Has anyone experienced a problem with there RIT ???
Never gave it much thought when I was building it but
was working someone last night and was chasing him
all over the place.

After the qso I turned on the Icom (It Can Only Monitor)
and was checking out the rig. I bumped the RIT (It has
a BIG knob on it as I seem to use it more than the VFO
but that is another post. I heard the frequency move so
started twisting the RIT around. As you go down in
frequency (counter clock wise) it does not effect the
TX but if you go up in frequency (clock wise) the TX
goes up as well.

Has anyone else experienced this problem or is this
normal ???

72 de Patrick KD4OBQ

AR

pmk@juno.com
<http://www.qsl.net/kd4obq/>
<http://homestead.juno.com/pmk/FILES/INDEX.HTML>

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Date: Mon, 11 Oct 1999 23:56:15 EDT
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU

Subject: [52890] QRP 24 hour clock

Message-ID: <19991011.205804.4487.3.ka7you@juno.com>

Well, I just returned from the local Radio Shack emporium after deciding I wanted to get a real battery operated 24 hour clock.

I wanted to look at the BIG wall clock which is on sale for \$29.95, and see what else they might have which would display 24 hour time and be battery operated.

They have lots of AC driven clocks with 24 hour capability and the "Battery Sentinel" feature to keep time in case of power failure. But I wanted something which would still display the time without the AC outlet, and was suitable for field operations. I don't like wearing a wrist watch, and few of them have 24 hour time anyway.

There is the 'Atomic Clock' which won't set to UTC time, and the BIG clock with 2+ inch high figures, which is a bit much to pack and carry without a briefcase; ... and then I found it.

The #63-959 is a \$17 travel alarm clock, which runs on one AAA cell, has a LCD display with a blue backlight which shuts off a few seconds after activating with a push of the alarm bar. It displays time in 12 or 24 hour format with 1" high characters, and the date and temp in F or C in smaller characters; all at the same time. As a bonus, it is also a slick little alarm clock with a fairly loud alarm and a snooze button.

It folds up into a very small smooth pocket package- like a Zippo lighter on steroids-for those of you who remember such things. When unfolded, the cover becomes a stable stand to keep it upright, and the setting controls are under a separate cover with a slide switch to 'lock' the settings.

It is not for everybody, but it suits me fine.

There is also a slightly cheaper model without the temp and date display for \$15.

I have no connection to Radio Shack other than my monthly credit card bill.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

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Date: Mon, 11 Oct 1999 22:09:42 -0700

From: "Dave Fifield" <fifield@pacbell.net>

To: <pmk@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52891] Re: NC/20 RIT or XIT ???
Message-ID: <005901bf146f\$fea1b880\$0100a8c0@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sounds like you need to replace Q1 (MPF102) with a new FET like the 2N5457 or J309A. MPF102 FETs have lots of variation in their characteristics - some of them will do this. I have 2N5457's as spares if you can't find one locally (look at <http://www.redhotradio.com>)

Cheers,
Dave Fifield, AD6A

----- Original Message -----

From: patrick m kvitkauskas <pmk@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, October 12, 1999 12:30 AM
Subject: NC/20 RIT or XIT ???

> Has anyone experienced a problem with there RIT ???
> Never gave it much thought when I was building it but
> was working someone last night and was chasing him
> all over the place.
>
> After the qso I turned on the Icom (It Can Only Monitor)
> and was checking out the rig. I bumped the RIT (It has
> a BIG knob on it as I seem to use it more than the VFO
> but that is another post. I heard the frequency move so
> started twisting the RIT around. As you go down in
> frequency (counter clock wise) it does not effect the
> TX but if you go up in frequency (clock wise) the TX
> goes up as well.
>
> Has anyone else experienced this problem or is this
> normal ???
>
> 72 de Patrick KD4OBQ
>
> AR
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>
> pmk@juno.com
> <http://www.qsl.net/kd4obq/>

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>

Date: Tue, 12 Oct 1999 00:18:41 -0500 (CDT)

From: Adrian Weiss <aweiss@usd.edu>

To: qrp-1@lehigh.edu

Subject: [52892] Can you believe it? ZK3CW for #99 on 30m!

Message-ID: <Pine.SOL.4.03.9910120007020.11938-100000@sunburst.usd.edu>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi gang:

Latest update -- ZK3CW on 10105.1. Seems that he came on around 0430 and just QRT'd at 0509. I heard him in the wee hours a couple of days ago just before he QRT'd.

At any rate, #99!!!! One to go. Will it be the 9Y4 who shows up 2300 or so? Or something exotic? I'm not proud -- I'll take any new one!!!

This afternoon, curious because the CDD halfwave vertical made such a great fill-in for the nulls of my fullwave up 50-ft, I decided to follow ON4UN's advice about 0.37 wavelengths radials and laid out 8 of them plus the 10 x 24-ft radials. This is becoming interesting. V31KQ was weak on the fullwave, but S7 on the vert; UA4LCH barely readable on the fullwave, but readable on the vert; then ZK3CW S4 on the fullwave and S6 on the vert. The difference with the 8 36-ft radials was not "fuzzy" like last night with the 10 x 24-ft. radials. You just knew it was better than the fullwave -- tried an SP who was equal on both but didn't get him -- except for "W0 sig very weak no copy sri". Sooo... maybe another 8 long radials tomorrow.

What about the XYL? Welllll, she decided to clean the kitchen top to bottom and didn't set foot in the backyard. It is becoming rather difficult to walk back there! But it's a beautiful sight -- crummy grass and weeds and all these neat straight radials!

Incidentally, My phased verticals were generally below the fullwave horizontal up 50-ft even with 17 radials under each. So, now that I think about it, I was disappointed the with phased verts because I had hoped they would be an improvement. This halfwave definitely is...

72 and sorry for bandwidth usage -- but hey -- who do I have around here to tell about this exciting moment?

Tnx all for listening!

72, Ade

Date: Mon, 11 Oct 1999 22:27:21 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio <qrp-1@Lehigh.EDU>
Subject: [52893] [CTDXCC] SS Contesting Tips by K7Q0 (ex K5F0) (fwd)
Message-ID: <Pine.GS0.4.10.9910112157270.22189-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I have been asked to forward this info.....

All about contest logging software and all in favor of TR Log!

But it does point out the costs and some good points and they do support QRP so I think it's OK.

And it is all done in good humor!

> Gang,
>
> It helps if you have a logging program like CT or NA to do this.

Ron,

Would you kindly point out that REAL SS ops use TR-Log... :-)

N5TJ sez it is the best SS logger hands down.

(***** Folks, N5TJ is the fellow who in the 1997 SS contest just blew the QRP record out the window with 1051 QSOs! This is a fantastic score. Getting half of that is more than most of us can do!***** Ron)

> cheap. In the neighborhood close to \$75 just for the software,
And TR Log is only \$60.00..... :-)

> but if you do contests throughout the year it is money well
> spent.

(*****I have been told that CT will not do any QRP contests but don't know for sure. Anyone out there using CT for the QRP contests and if so, how?***** Ron)

> Don't cut corners here.

So you would need to buy TR. Right? :-)

> 3. Go to the lowest frequency your license will allow you to
> work on the band, say 28.000MHz if you are an Extra.

No Extra class needed on 10m..... :-)

Thanks George,

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 11 Oct 1999 18:14:28 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: "Dieter Gentzow - WB8QYY" <wb8qyy@one.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52894] Re: What is "Manhattan Style"?
Message-ID: <009101bf1477\$7240b410\$5166d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Dieter Gentzow - WB8QYY <wb8qyy@one.net>
To: <rules@bellsouth.net>; Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, October 11, 1999 6:43 AM
Subject: Re: What is "Manhattan Style"?

Hi Dieter, and thanks for the response.

> Ref superglue substitute,
> Use double sided sticky tape
> works fer me...

Wish that would work around here! As I stated earlier,
too humid along the gulf coast for that neat tactic to
work around here :^/. Would be a cheap way to go,
too! Oh, well. Such is life, as they say.

72/73,

Randy Jouett, AB5NI

Date: Mon, 11 Oct 1999 18:38:10 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <drboom@bright.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52895] Re: Manhattan style Glue
Message-ID: <009301bf1477\$74098d30\$5166d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Tim <drboom@bright.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, October 11, 1999 9:06 AM
Subject: Manhattan style Glue

Hi Tim/Gang,

> What about the other super glue, aka 5 minute epoxie....a possible
> alternative to super glue?

I was talking with Bruce (W6TOY/3) in e-mail, and he said that he has used 5-minute epoxy with great results. Sounds like we might have a better alternative, but I'm going to wait and see what the bro-in-law says about this situation. I'd sure hate to give up Super Glue (tm).

72/73,

Randy Jouett, AB5NI

Date: Tue, 12 Oct 1999 07:45:19 +0100
From: "John Fletcher" <johnf@innotts.co.uk>
To: <ka7you@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52896] KangaLands (was Manhattan Pads source)
Message-ID: <199910120643.HAA08557@carlton.innotts.co.uk>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Rod and the gang,

Here at Kanga Products in the UK I've just had the first samples of "KangaLands" produced. Imagine a 2 inch square of single-sided fiberglass PCB material. On it are one hundred squares of tinned copper in a regular ten-by-ten grid. Between these square lands the board is grooved on both sides to make it easy to break up, like a Hershey bar. The lands may be used individually, in strips of three

for transistors, in squares of four for dual gate mosfets, etc. Just snap them off as you need them. Being tinned, the copper won't tarnish in storage. If these prove to be popular I'll have DIL Kangalands produced, and special ones for Toko coils. Trouble is, they're not cheap. Selling a Kangalands board for \$4 I would need to sell 150 boards just to recover the tooling and photography costs. I don't know what the demand will be. The advantages are convenience and regularity of pad size, the disadvantage is the price. Of course, while square pads are easy to produce at home, the DIL ones and Toko ones will make life a lot easier. Please let me know what you think. I can be contacted at this address or sales@kanga.demon.co.uk.

Best regards,

John G4EDX

> From: ka7you@juno.com
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: Manhattan Pads source
> Date: 12 October 1999 04:00
>
> I've just been talking with the local PC board shop. There seems to be
> some interest in helping supply narrow strips from which to cut pads.
> I asked about getting strips cut to 1/4 inch width, and random lengths
> so we could just snip them off ala the AZ sqrpions 2n/40 board kit.
> What is the interest, and is that too wide for strips?
> Replies off the reflector appreciated.
> 7 3,
> Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
> 80M thru 10M with K2 s/n268 and other fine QRP rigs.
> VHF thru 1296 MHz-higher bands pending
> ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others
>
> -----
> Get the Internet just the way you want it.
> Free software, free e-mail, and free Internet access for a month!
> Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 12 Oct 1999 08:30:13 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [52897] Re: pop-up spam coming in with QRP-L messages?
Message-ID: <00be01bf1486\$07d906e0\$dd3fac3e@p75>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Mike and the gang,
This annoying little feature of I.E.5 can be turned off. Load I.E.5 and click on "Tools"/"Internet Options"
Click the "advanced" button and uncheck "Enable Install on demand". This is shown as a browsing feature, so the logic as to why it should affect mail escapes me.

Kind regards
Tony - G4WIF/K4WIF

----- Original Message -----

From: Mike Yetsko <myetsko@insydesw.com>
> >What is it about certain messages on QRP-L that when opened, a little
> pop-up window comes up asking me to install Internet Explorer?
<snip>

Date: Tue, 12 Oct 1999 03:48:59 -0400
From: Bill B Lazure <n2tpa@juno.com>
To: qrp-l@lehigh.edu
Subject: [52898] Re: Nov SS CW Heads Up Note
Message-ID: <19991012.034924.7614.0.N2TPA@juno.com>

Gang,

On Chuck's recommendation, I'm quoting pieces of a note I sent him yesterday:

"Chuck Adams, K7Q0" writes:

>2. Goal for the newbies --- work 200+ Qs ...
> If your code speed is below 20 wpm, this will take over 6 hours!

(If you're doing Search and Pounce, you'll probably spend alot of time waiting for the other station to finish his/her current Q. This slows you down enough that 200 Qs could take twice as long as 6 hours)

>4. Now this doesn't count if you do this and then don't submit
> the log. You can do this electronically. Read the ARRL web
> page <http://www.arrl.org/> and QST and after the contest I

> will post how to email the results in and the format.

(I've never done it electronically, and don't use a logging program. When you release this info, I'd appreciate it if you could tell us a common program that'll write in the correct format (ie, Notepad, wordpad, plain DOS)

> Then move on. DO NOT SPEND MORE THAN 15 seconds on any
> frequency.

(Perhaps a word of advice to the newbies about the benefits of hanging on a frequency for a while. If the calling station's speed is above yours, listening to his exchange for a while allows you to KNOW the exchange before you actually call. If you missed anything during the Q, listening after allows you to verify the info you received. It slows you down, but greatly increases accuracy!)

> This technique of moving from station to station is called
> S&P (search and pounce). You search for a station to work
> and you pounce on them like a cat after a mouse, work them
> and then move on. In this exercise, just copy their call
> and move on unless you just want to work them if they are
> calling CQ.

(Also a reminder that in the old novice portions of the bands activity is more relaxed. It's an ideal place for a QRP signal to call CQ and get responses. I can usually pull a couple dozen in 15 minutes that way.)

>Now there is a political reason for this exercise. If we as a
>group can get significant attention at ARRL HQ as a viable group
>there may be a chance that we'll be heard when we go to SCMs etc.
>and want something like a digital free QRP zone. Otherwise you
>can complain night and day to the choir and beat the dead horse
>to death and never get the problem solved by only complaining
>and listing problems on QRP-L. IMHO. Thought for
>the gray/grey matter.

(Hear, Hear!!)

73 & GL,

W2EB
Bill
WNY

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 12 Oct 1999 03:00:51 -0600
From: tom whalen <wb5qyt@eFortress.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52899] Radio Havana info tnx!
Message-ID: <3802F8C3.316B@eFortress.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Thanks for the info on Radio Havana. I even heard from Arnie himself and he gave me some times and frequencies! Ed Tanton N4XY please email me again and I will forward the info to you also. I hit the delete button too fast...sorry!

Thanks again for the info....such a fine group!

72, Tom WB5QYT...."Have spud will travel!"

Date: Tue, 12 Oct 1999 05:21:43 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <w1hue@amsat.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52900] Re: Illegal Rig??
Message-ID: <006b01bf149c\$464628c0\$0b66d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Larry East <w1hue@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, October 11, 1999 9:56 PM
Subject: Illegal Rig??

Hi Larry,

> I hate to be the first to bring this up, but how do you fellas at W1AW feel
> about running a rig that doesn't meet FCC requirements for spurious
> radiation suppression? The rig in question is the "Original Tuna Tin 2". Or
> did you guys change the output filter, in which case it ain't exactly
> original?
>
> Just wondering... :-) ;:-)

Well, they could always build a 5 or 7-pole, 50-ohm network and
connect it to the output, leaving the thing in an "as is" condition. :^)

72/73,

Randy Jouett, AB5NI

Date: Tue, 12 Oct 1999 06:17:27 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <dlh1009@ritvax.isc.rit.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [52901] Re: Lead, cyanide, and other pastimes
Message-ID: <009701bf14a3\$6c8259d0\$0b66d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Monday, October 11, 1999 11:18 AM
Subject: Re: Lead, cyanide, and other pastimes

Hi Dave,

> I've not had any problem with glue on top of the pad - I drop a little
> "puddle" of glue on a disposable surface (Post-It Notes are nice because
> they stay where you put them, mostly), grip a pad in a tweezer or
> hemostat, dip the bottom surface of the pad in the glue, and drop it on
> the floor a couple of times on the way to the board. (Grin) I use the
> instant "gel" kind of glue. The only time glue has been a place I wanted
> to solder was when I wanted to connect something to ground next to a pad

> that I had to slide into place, leaving a snail-trail of glue. I took
> the shortcut of burning off the glue (face averted, breath held, etc.)
> before soldering the ground lead. What I should have done is scraped off
> the hardened glue, or routed the lead somewhere else. But glue atop the
> pads hasn't been a problem.

Sounds good, Dave. I've only had one pad that had glue on the top, and I remembered others talking earlier about burning the glue on QRP-L a few months ago. Since they said it was a bad experience, I decided to get after it with a sharp knife and lightly scraped the stuff off, passing some steel wool over the surface, just o make sure it was all gone.

I did run into a problem with the glue on the side of a pad, though, and torched some around a week ago. Thank gawd I was standing back from the thing.

BTW, I spoke with the bro-in-law, and he said that we should be cautious with the fumes, but it should we should be ok if we use "good" ventilation. Cool! He also confirmed my belief that what we're working with here is a liquid polymer that hardens up real fast when it hits oxygen. He said that breathing the fumes is about as bad as breathing solder fumes, BTW. So, with this in mind, don't breath the junk :^).

> I'll bet the old cotton insulated wire evoked lots of laughter and
> curses. I had an old Model 19 Teletype with cotton wiring, coated with
> fungicide. Talk about stinky when you soldered it!

When I was a kid, I remember picking up big trunk-line chunks (foot or two) of that wire when and I saw the phone dudes working on the system. I used to use it as hook-up wire when I was a kid, and I got rid of that idea REAL fast when I saw that the stuff would unwind, short out, and cause electronic components to release the smoke they were hiding inside of them :^).

We used to get TONS of cross-talk on that cable, but I really enjoyed listening to my neighbors phone conversations after a good rain, though :^). Sometimes I'd pick up the phone, hear someone talking, say hello, and have a conversation with the other two parties via crosstalk :^). 9 times out of ten one of them would be in the neighborhood, tell me hello, and told to make sure that I told my parents hello :^). Conference

calling in the 60's -- too cool! :^) Good memories!

72/73,

Randy Jouett, AB5NI

Date: Tue, 12 Oct 1999 11:36:05 -0400
From: wa8rxi@juno.com
To: qrp-1@lehigh.edu
Subject: [52902] OHR Transceiver
Message-ID: <19991012.113623.-160045.1.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

QRPer's

I have for sale an OHR Transceiver.

- 1) 20 & 40 Meter Coverage (14.000-14.100 and 7.000-7.100)
- 2) Superhet Receiver with 4 pole crystal ladder filter
- 3) Full QSK
- 4) 4-5 Watts out.... adjustable from 0 to full output.

\$185.00

Includes Original Manual..

E-Mail direct: wa8rxi @ juno.com

73, Rick

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 12 Oct 1999 06:41:35 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: "Gary L Surrency" <gsurrency@juno.com>
Cc: <qrp-1@Lehigh.EDU>

Subject: [52903] Re: I smell a new name...
Message-ID: <00b401bf14a6\$f2317f40\$0b66d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Gary L Surrency <gsurrency@juno.com>
To: <rules@bellsouth.net>
Cc: <qrp-l@Lehigh.EDU>
Sent: Monday, October 11, 1999 12:03 PM
Subject: Re: I smell a new name...

Hi Gary,

> >The Antenna Tuna :^).
>
> No, no, no. That would be the Big Kahuna Tuna Tin Two Tuner.
> Say that one three times fast! 8*)
>
> Or Big Kahuna Tuna Tin Two Tun'a, for a New England accent.
>
> Or BKT*3 (BKT cubed)

LOL!!!! I like the 2nd one the best, Gary! Can't wait to see
a QRO op pick up a QST, read the name of that article,
and frown or shrug. LOL!!!

72/73,

Randy Jouett, AB5NI

Date: Tue, 12 Oct 1999 06:50:45 -0500 (CDT)
From: "Adam B. Kanis" <akanis@divis17.ped-gen.uiowa.edu>
To: jhenshaw@bellsouth.net
Cc: qrp-l@lehigh.edu
Subject: [52904] Re: PC Board Tinning Solution / Silver platingI am in the process
of building Jim Kortge's 2N2/40
Message-ID: <Pine.LNX.4.04.9910120646380.29754-100000@divis17.ped-gen.uiowa.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

hi jerry,

slightly off from the exact question you asked, you may want to consider silver plating instead of tinning. i was real skepticla at first, but it was really easy.

i have a page on my web site covering it:

<http://vsl17.ped-gen.uiowa.edu/hamradio/PCBoard.html>

hope it helps.

> I am in the process of building Jim Kortge's 2N2/40
> rig and I wanted to tin the PC board before starting
> construction. Does anyone know a source for the
> tinning solution?

72,

--adam, ak0p

Adam B. Kanis, AK0P

adam-kanis@uiowa.edu QTH: Wellman, IA (Near Iowa City) EN41ck

--- ARRL:RSGB:QRP-ARCI:GQRP:QRP-L:NorCal:Iowa QRP:SEITS ---

** On the web at <http://genome33.ped-gen.uiowa.edu/hamradio> **

Date: Tue, 12 Oct 1999 07:51:57 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: qrp-l@lehigh.edu
Subject: [52905] Pads and Adhesives
Message-ID: <380320DD.3295@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys

I have been watching this thread for a while now, and I wonder what you're all worried about. The pad is merely a convenient insulator you can solder to. If double sided tape will hold it until you're done soldering components, then who cares whether it loses grip? The components should hold the pad in place after that.

73

Date: Tue, 12 Oct 1999 07:58:00 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [52906] Re: Lead, cyanide, and other pastimes
Message-ID: <38032248.2BDAC7E2@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Randy Jouett wrote:

> BTW, I spoke with the bro-in-law, and he said that
> we should be cautious with the fumes, but it should
> we should be ok if we use "good" ventilation. Cool!
> He also confirmed my belief that what we're working
> with here is a liquid polymer that hardens up real
> fast when it hits oxygen. He said that breathing the
> fumes is about as bad as breathing solder fumes,
> BTW. So, with this in mind, don't breath the junk :^).

Randy,

We should be using good ventilation techniques when soldering anyway. Where I used to work we got inspected by OSHA for airborne lead (we did wave soldering in the building, and tons of hand soldering). In our production areas they could not detect ANY lead. In our design lab (where I worked) was the only lead that could find, and it was still about 1/20th of the allowable level. Our ventilation system worked pretty well - a BIG range hood over the wave solder machine, and lots of free air space over the workbenches.

The leaky roof may have helped some, too.

> We used to get TONS of cross-talk on that cable, but I really
> enjoyed listening to my neighbors phone conversations after
> a good rain, though :^). Sometimes I'd pick up the phone,
> hear someone talking, say hello, and have a conversation with
> the other two parties via crosstalk :^). 9 times out of ten
> one of them would be in the neighborhood, tell me hello, and told
> to make sure that I told my parents hello :^). Conference
> calling in the 60's -- too cool! :^) Good memories!

If the phone company knew they'd have charged you extra.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Tue, 12 Oct 1999 08:02:56 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: qrp-1@lehigh.edu
Subject: [52907] FOXHUNT:7.040 and Novice/Tech+, Tuesday Pre-Fox Bash
Message-ID: <v03102800b428cfa7dbcf@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

KF4AR, the Carolina's only Fox will be prowling the airways tonight.

Tuesday night USA time,
0000-0100 Z (8-9 PM EDT) +/- 7.040

0100-0200 Z (9-10 PM EDT) +/- 7.110 or +/- 7.120 if SWBCI QRM
I'll be calling CQ at 13WPM but will QRS to your speed.

0200-0300 Z (10-11 PM EDT) +/- 7.040

I'll be running a K2 at 3 watts output into a long wire and calling CQ FOX.

Please reply in the following format:

RST, QTH(SPC), NAME, qrp-1 number or power output.

Loose the hounds and Tally Ho!

Rick kf4ar

Date: Tue, 12 Oct 1999 06:58:25 -0500
From: "Randy Jouett" <rules@bellsouth.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52908] CB Amps on 10 Mtrs
Message-ID: <00bd01bf14a9\$8bcbc8c0\$0b66d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

I was doing some horse trading the other day, and I picked up busted CB amplifier. I was wondering if I could use the thing with the HTX-10 legally when it was repaired and working? I don't have a schematic, but it looks like it is biased class B, but it doesn't have any type of matching network on the output!!!! So, I'd have to add at least a 5-pole filter to be legal. I don't plan on keeping the thing, and I'm just going to fix it, add the mods, and swap it off, but I would like to no if I'd be legal testing the thing out on the air when I'm done.

I also got a Ten-Tec Corsair in the trade. It doesn't work either, and I'd appreciate some advice. The digital display stays on the same frequency, even if I flip the band switch around to different bands and tune the VFO up and down the band. I can hear audio, and the PBT, Notch, and RF and AF gain all seem to work. I suspect that the VFO is shot, too, because I'm not getting any power output. Anywho, what I'd like to know is this: what's the best way to trouble-shoot a VFO? Also, are there any other areas in the rig that would cause this problem. I've check the regulators for the VFO, and it check out ok. Any help would be appreciated!

72/73,

Randy Jouett, AB5NI

P.S.

The Corsair will be up for swap when it's working, if anyone is interested.

Date: Tue, 12 Oct 1999 07:07:06 -0500
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: qrp-1@lehigh.edu
Subject: [52909] Thanks for info!
Message-ID: <ELIIEBKNC CGMDAAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All,

So many of you responded to my recent request for information on "Manhattan Style" construction. Thanks a bunch to each and every one of you. You've been very helpful. I think my next project will use this technique.

Joel

Joel Kluender, NF9K
870 Prairie Street S.
Shakopee, MN 55379

Great is the Lord, and worthy of praise!

Join 18 million Eudora users by signing up for a free Eudora Web-Mail account at <http://www.eudoramail.com>

Date: Tue, 12 Oct 1999 07:13:34 -0500
From: "Jay Bromley" <w5jay@alltel.net>
To: <rules@bellsouth.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52910] Re: Manhattan style Glue
Message-ID: <007701bf14ab\$358c1800\$559b66a6@w5jay>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Randy and Bruce,

A fan should help, I got a bacterial infection once on my face. Burning solder on to many Boat anchors like the Collins 75A4. The doctors and I like to never figured it out. It never happened again after using a small turbo fan I bought from Wally World. I use it to drawl, not push fumes

away. Your results may vary.
73 de w5jay..

> > What about the other super glue, aka 5 minute epoxie....a possible
> > alternative to super glue?
>
> I was talking with Bruce (W6TOY/3) in e-mail, and he
> said that he has used 5-minute epoxy with great
> results. Sounds like we might have a better alternative,
> but I'm going to wait and see what the bro-in-law says
> about this situation. I'd sure hate to give up Super Glue (tm).
>
> 72/73,
> ----
> Randy Jouett, AB5NI
>
>
>

Date: Tue, 12 Oct 1999 07:14:49 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <w6toy@erols.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52911] Re: Pads and Adhesives
Message-ID: <00c901bf14ab\$b29ba090\$0b66d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: Bruce Muscolino <w6toy@erols.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, October 12, 1999 6:51 AM
Subject: Pads and Adhesives

Hi Bruce,

> I have been watching this thread for a while now, and I wonder what
> you're all worried about. The pad is merely a convenient insulator you
> can solder to. If double sided tape will hold it until you're done
> soldering components, then who cares whether it loses grip? The
> components should hold the pad in place after that.

Here's the problem. What if the pads continue to come up around a particular area, you backpack or bring the rig on vacation, and baggage handling, car rides, or something starts to loosen the thing up further. After a while, you could run into some problems, causing all kinds of unnecessary, intermittent havoc. If the rig stays at home you'd prolly' not have too many problems, but I want my rig to be flexible and as close to mil-spec and possible and go where I go. :^)
Thanks for your thoughts, though, Bruce.

72/73,

Randy Jouett, AB5NI

Date: Tue, 12 Oct 1999 08:17:38 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: w1hue@amsat.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52912] Re: Illegal Rig??
Message-ID: <380326E2.5FB8@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Larry,

You ain't the first. I have discussed it with Ed Hare because teh TT2 event is coming. We will contact the FCC for guidance on this matter, however, remember the rig's performance is further enhanced by using an antenna tuner in the line. And several multi-pole filters are available for it!

73

Date: Tue, 12 Oct 1999 08:31:15 -0400
From: Mike Czuhajewski <wa8mcq@erols.com>
To: QRP forum <qrp-l@lehigh.edu>
Cc: Larry East <w1hue@arrl.net>, Mike Czuhajewski <wa8mcq@erols.com>
Subject: [52913] Re: Illegal Rig??
Message-ID: <38032A13.5B16@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

W1HUE said,

"I hate to be the first to bring this up, but how do you fellas at W1AW feel about running a rig that doesn't meet FCC requirements for spurious radiation suppression? The rig in question is the "Original Tuna Tin 2". Or did you guys change the output filter, in which case it ain't exactly original?"

I have no idea what the answer is to that one, though I guess I'll find out in a couple of weeks since I'll be one of the operators up there for the Black Cat event. But here's how they can get around it, keeping it legal AND original: run the output through an outboard low pass filter!

Been there, done that--several years ago a local ham who is a closet QRPer came to me with a Ramsey kit to have me check the spectrum, and it was horrible, failing the FCC requirements by a huge amount. (Yes, it was properly built and all the components were of the proper value according to the schematic, but it was a very simple, 3 element filter.) I built up a little 5 element low pass filter on a scrap of PCB material and ran the output of the transmitters filter through that--double filtering--and it now exceeds the current FCC spec by over 20 dB :-) (I wrote this up in the QRP Quarterly several years ago.)

In this case I mounted the filter inside the rig since there was plenty of room, but it could just as well have been done in an external box, which would have allowed it to be used with different rigs. This can be done with any rig which lacks sufficient filtering to meet the FCC requirements, and does not require modification of the rig itself.

If it's a transceiver, there's no need to break the transmit output line before the TR switching to insert a filter; just put it in an external box, between the tuner or antenna and the rig. With a properly designed filter the loss will be unnoticeable on receive, and the additional filtering might even improve receiver performance in some cases.

--

73 and Queue Our Pea de WA8MCQ wa8mcq@erols.com

Date: Tue, 12 Oct 1999 14:07:23 +0100
From: "George Dobbs" <g3rjv@gqrp.demon.co.uk>
To: <QRP-L@lehigh.edu>
Subject: [52914] HOW TO BOOK FOR CELTICON 2000
Message-ID: <000b01bf14b2\$dfb55380\$151d989e@kcubkvql>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

CELTICON 2000
The Millenium QRP Event
September 1 - 2 - 3, 2000
Marino Institute of Education - Dublin

QRP Programme by the G QRP Club
Hosted by the Marino Institute
A Full Programme over Saturday/Sunday 2nd, 3rd September
(Reception and Welcome on Friday Evening 1st September)

Why not combine a holiday in Ireland with a QRP Convention?
The Marino Institute of Education is set in its own grounds
in the north of Dublin, close to the airport.
It is the Dublin house of the Christian Brothers
with full conference facilities and single & twin accommodation.
There is a frequent bus service from the gates to the centre of Dublin
ideal for wives and family members
to enjoy Dublin during the QRP events.

HOW TO BOOK FOR CELTICON 2000

60 Residential Places are available
to stay at the Marino Insitute of Education.

Day Tickets are also available for the Saturday.

You simply book for accomodation [or Day]
And the QRP Programme comes with it.
The cost of accomodation has the cost of the QRP conference built-in.

FULL RESIDENTIAL BOOKING:

Friday:

Supper & Bed and Breakfast

Saturday:

Lunch, Coffee & Tea Breaks, Bed and Breakfast

Sunday:

Lunch, Bed and Breakfast

[The Breakfast is Full Irish Breakfast]

CUSTOM RESIDENTIAL BOOKING:

Any combination of the above arrangementss
for Friday, Saturday and Sunday.

e.g. You may not wish to stay Sunday night

DAY ATTENDANCE:

A Day Ticket includes Lunch, Tea & Coffee Breaks
and All Conference Facilities

HOTEL and DAY:

If you plan to stay in a local hotel (perhaps as part of your vacation)
arrange that yourself and obtain a Day Ticket for the Saturday.

ALL BOOKINGS TO:

(PRICES WILL BE GIVEN ON ENQUIRY)

Ms. Sile Boylan,
Marino Institute of Education,
Griffith Avenue, Dublin 9
Tel: +353 (0) 1 8335111.
Fax: +353 (0) 1 8369264
email: sboylan@mie.ie

The G QRP CLUB, the largest QRP organisation in the world,
will be responsible for the QRP events at CELTICON 200.
This will include a full programme of lectures and workshop sessions.
We hope to attract QRP traders to sell a range of kits and components.
The resident amateur radio station at the Marino Institute
will be available with a special callsign.
Not least of all will be the chance to meet and talk with
other QRP operators and enjoy good company
in the attractive surroundings.

The Director of the Marino Institute is keen QRPer
Brother Donal Leader, EI5IT.
The Marino Institute is part of the former estate of
the first Earl of Charlemont and named after Marino
in Italy for which he had a great affection.
After the economic collapse of Ireland in the 19 Century
the estate was sold to Trinity College and the Dublin Archdiocese
and in 1880 The Christian Brothers established their college
on Marino land.

The college houses the new purpose-built radio station of the
Dublin QRP Club - EI2MIE.
Br. Donal, EI5IT, along with Bill, EI8BC, John, EI6DG,
Ray, EI7AHB, and Ron, EI4AR
with the help of Brother Rory Geoghegan,
the Head of Science at the Marino Institute,
are the keen team of QRPers in Dublin
who will help run Celticon 2000.

The programme of events will be arranged by the G QRP Club
under George Dobbs, G3RJV
who will ensure that the event includes
ample time for QRP and Irish hospitality
and advice for other family members
on how to enjoy Dublin
when the QRP session are taking place.

With the promise of QRP
...the delights of Dublin and Ireland.
Why not join us in September 2000?

George Dobbs G3RJV
g3rjv@gqrp.demon.co.uk
The G QRP Club
[www.gqrp.demon.co.uk]

"It is vain to do with more
what can be done with less"

William of Occum. 1290-1350

Date: Tue, 12 Oct 1999 07:11:09 -0600
From: "Rod Cerkoney" <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52915] FOXHUNT: pre-season bash taut
Message-ID: <022201bf14b3\$42761680\$298711d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here Foxii Foxii
Here Mr. Foxii....

WOOF!

72/3 Rod, NØRC
da di dah

Date: Tue, 12 Oct 1999 14:07:12 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <rwc@frii.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [52916] Re: FOXHUNT: pre-season bash taut

Message-ID: <006801bf14b2\$b433efa0\$ad42b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hang on to that flea collar Rod, we Foxii plan to snatch it from you mangy hounds, heh heh ;-) See Spot run!
de Steve, W8SFF

Date: Tue, 12 Oct 1999 14:33:28 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [52917] Re: Illegal Rig??
Message-ID: <199910121431.JAA26038@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Part 97.307 (d) says:

Quote

The mean power of any spurious emission from a station transmitter or external RF power amplifier transmitting on a frequency below 30 MHz must not exceed 50 mW and must be at least 40 dB below the mean power of the fundamental emission. For a transmitter of mean power less than 5 w, the attenuation must be at least 30 dB. A transmitter built before April, 15, 1977, or first marketed before January, 1, 1978, is exempt from this requirement.

UNQUOTE

It would seem that one could legally run the original TT2 if it was indeed built before the above date.

However, since this facet of the rig is not crucial to it's operation, it would seem good judgement to just stick on an external filter and get on with the activity...

And then, it may be that that unit does in fact meet the spurious emissions requirements....Why not check it and see????

HOWEVER, it is clear that any clones made lately surely must meet the requirement... :-)

Just my thoughts on the matter...

Larry KA5T

Date: Tue, 12 Oct 1999 14:44:29 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [52918] Foxii Antennas
Message-ID: <199910121443.JAA26932@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hey Foxii:

Remember that youall want to have omni directional antennas...

Resist the urge to use those 4 element arrays and other exotic antennas.... Than exclude a big bunch of the hound pack....

And, remember a low dipole for your close in hunters.....

: -)

Larry KA5T

Date: Tue, 12 Oct 1999 14:40:07 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [52919] Re: Tuna Tin 2 pi output ckt
Message-ID: <199910121443.JAA26937@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

On Tue, 12 Oct 1999 08:34:04 -0400, Bruce Muscolino wrote:

>...

>However, I will ask Ed Hare to run a filter response test on the TT2

>filter and publish his results to the list. ...

>

Bruce:

What we need is not a filter response test, but a spectrum analyzer test of the rig. The FCC regs dictate the emissions of a rig, not the response of any filter. You don't need ANY filter if the rig otherwise meets the emissions criteria.....

And, I think that the regs are clear....Why bother the FCC with questions for which we already know the answer????

FWIW my thoughts.. :-)

Larry KA5T

Date: Tue, 12 Oct 1999 22:53:15 +0800
From: "Sly (9M8SL)" <cqsly@tm.net.my>
To: <qrp-1@lehigh.edu>
Subject: [52920] Re: Fox: DeathStar reported in this quadrant
Message-ID: <19991012145315.KCAT9898@User>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Tom and Bill,

I sense the force is strong in this particular one...
May the force be with u all !!!

73's de Sly, 9M8SL

At 03:51 PM 10/7/99 GMT, you wrote:

>>The following message from the Imperial Fleet has been decoded:

>

>Hi Tom -

>

>Be sure to say "HI" to Darth. He still owes me \$20 from our last poker
>game. I am reluctant to ask him about this myself, so will YOU handle it
>for me?

>

>Thanks!

>
>Bill-N7MFB/7
>
>
>-----
>Get Your Private, Free Email at <http://www.hotmail.com>
>

Date: Tue, 12 Oct 1999 22:52:58 +0800
From: "Sly (9M8SL)" <cqsly@tm.net.my>
To: <qrp-1@Lehigh.EDU>
Subject: [52921] In need of an audio filter...
Message-ID: <19991012145258.KBZP9898@User>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Can anyone point me to a simple plan for a low parts count audio filter???
Need to install one into a noisy 40 meters DSB Hbrew rig.

All helps are deeply appreciated.

Vy sincere 72,
Sylvester (Sly) Liew, 9M8SL
from 'The Hidden Paradise of Borneo'

Date: Tue, 12 Oct 1999 11:28:14 -0400
From: Mike Maiorana <mikemo@attglobal.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52922] JOTA
Message-ID: <3803538E.BB375E92@attglobal.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have a question regarding the setup I'm planning for JOTA.
This year I want to have two rigs running at the same time, both QRO.
One will be to a tuner / dipole for multiband work. The other to an
Antron 99 10 meter vertical. Give the close proximity of the two
antennas (about 10 meters apart), am I going to have problems?
If it matters, the kenwood ts-830 will be running on 10 meters with the
Antron, and the kenwood ts-430 will be running the dipole on 20 or 15

meters (100 watts each).
And yes, I will be showing off some qrp stuff ;-)
Thanks for the help
72 de ku4qo
Mike Maiorana, Palm Harbor, FL

Date: Tue, 12 Oct 1999 09:29:59 -0600
From: Rod Cerkoney <rlwc@frii.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52923] FOXHUNT: pre foxhunt bash taut II
Message-ID: <19991012092959.08056@frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I sense nervous laughter in the Foxxii, as they ponder the forthcoming
HOUNDING! BWWAHHHHHHHHHHHHHHHAAAHAHAHAHAHAHAH! ;-)

--
72/3 Rod, N0RC AKA SPOTT: The Lone Fox Hunter, NO club, NO Rules!! ;-)
da di dah (I choose 2 "T"s in the name so as not to be confused
 with SPOT the K2 CW tuning aid function ;-)

Date: Tue, 12 Oct 1999 10:44:07 -0500 (EST)
From: igeq100@iupui.edu
To: "Sly (9M8SL)" <cqsly@tm.net.my>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52924] Re: In need of an audio filter...
Message-ID: <Pine.HPP.3.96.991012103955.22170B-100000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Sly -

RadioShack.com (formerly know as TechAmerica) is having a special
on the Vectronics Super CW filter VEC-820, for \$9.97 in kit form. This
unit, in my experience, does an excellent job - there is only a hint of
ringing at the 80 Hz (narrowest) bandwidth. I have built several into QRP
rigs with good success.

All the usual disclaimers apply. The URL is
<http://www.radioshack.com>.

73,

Richard Meiss, WB9LPU

On Tue, 12 Oct 1999, Sly (9M8SL) wrote:

> Hi Gang,
>
> Can anyone point me to a simple plan for a low parts count audio filter???
> Need to install one into a noisy 40 meters DSB Hbrew rig.
>
> All helps are deeply appreciated.
>
> Vy sincere 72,
> Sylvester (Sly) Liew, 9M8SL
> from 'The Hidden Paradise of Borneo'
>

Date: Tue, 12 Oct 1999 10:48:08 -0500
From: sholisky@ktca.org (Scott Holisky)
To: qrp-1@lehigh.edu
Subject: [52925] FOXHUNT: Tuesday Pre-Foxhunt Party-N0AR
Message-ID: <fc.000f548a004e1e28000f548a004e1e28.4e1ee5@ktca.org>
MIME-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

I'm planning on being on 7.040 +/- around 04:00.

Duration depends on how inviting those warm sheets are... so keep an ear out for Minnesota.

Scott N0AR
Nr. Saint Paul, MN

sholisky@ktca.org

Date: Tue, 12 Oct 1999 12:03:05 EDT
From: PDouglas12@aol.com
To: rules@bellsouth.net, qrp-1@lehigh.edu

Subject: [52926] Re: Pads and Adhesives
Message-ID: <0.d69c1b70.2534b5b9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Guys and ladies,

I first read about "Manhattan" or paddyboard (same thing) construction in Drew Diamond's excellent book about homebrewing rigs and gadgets. It is still available, I think, through the G-QRP folks. Drew suggests that as an alternative to super glues, attaching the pads with solder is a good way to go. You have to use double sided pads, of course. You have to hold the pad in place from above, then hold the iron down in tight against the edge of the pad, and wick some solder underneath. I expect a pad fastened that way won't come off with a bit of jangling in a backpack. I would warn you folks to have your ohmmeter handy to check each pad for isolation from the substrate board, to make sure you haven't created a short to the upper side of the pad, before you solder any parts to the pad.

By the way, I didn't use this method to build 2N2/40 #2. I used cyanoacrylate (Super Glue). I'm sure I whiffed some fumes, too. Which explains why I am a little dotty, perhaps. Remember folks, the fumes aren't the only thing to be concerned about with super glues. Keep this stuff well out of childrens' and grandchildrens' reach, please. And keep your hands away from it, and your hands away from your face--you can glue yourself together and hurt your eyes too. There are solvents to help separate glued fingers, but I understand they only work when applied immediately. Otherwise, you'll need a doctor with a scalpel, and it won't be fun. Be careful.

72,
Preston WJ2V

Date: Tue, 12 Oct 1999 12:05:01 EDT
From: KU4YP@aol.com
To: qrp-l@lehigh.edu
Subject: [52927] qrp'n and loving it!
Message-ID: <0.6b2edc07.2534b62d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

hello all,

i have read from this list for quite some time, however i have not

posted much. i wanted to inform you all you have another converted ham that has gone qrp. i aquired a heath hw9 and acc from a real nice guy in south carolina in exchange for my qro rig. i have never had so much fun! i've worked more cw in the last week that i have in three years.

so, i now know the excitement that i have been reading about on this list. many thanks to all of you. i never knew cw, low power operating was so much fun.

73 de KU4YP
Michael D. Prevatt
Lake Hendry, Fl

Date: Tue, 12 Oct 1999 12:09:27 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Elecraft Reflector <elecraft@qth.net>, QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [52928] Jeff Grudin, AC6KW
Message-ID: <Pine.3.89.9910121235.B5984-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Jeff, If you see this, please tell me the URL for the pix showing your K2 options installed. My neighbor is thinking of getting a K2 and wants to see what the complete package looks like. I should have my SSB and NB options by this weekend though, right Elecraft? :-)

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 12 Oct 1999 11:07:47 cdt
From: wj5o@juno.com
To: TENTEN-L@LEHIGH.EDU, QRP-L@LEHIGH.EDU
Subject: [52929] 10Meter beacons & intruders
Message-ID: <19991012.110748.-959823.0.WJ50@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi All,
Sad thing to say but the intruders are increasing in number especially in the CW portion of Ten Meters. Even with an otherwise nice contest weekend -- the intruders "screwed up" many frequencies.

I made one pass through the Beacon segment of Ten to determine band conditions and was able to log 23 beacons . (Including WA8YW0/B in West Virginia at 100mW) I think I could have copied more beacons except for the intruders.

I found intruders at 28.145, 28.206, 28.245 and 28.285MHz all USB speaking "American". (like North American with accents) There were also AM Spanish speaking intruders at 28.195, 28.205, 28.225 and 28.295MHz.

I tried a CQ at 28.206MHz and between my calling I heard an intruder say "let's go to channel 50" -- I found them again near 28.245MHz.

IMHO that with the ease of obtaining ten meter rigs our invasion of the band will increase.

I wish I had an answer.

73 Bill "Sparkling City by the Sea" WJ50/B 28.289MHz
 Corpus Christi, Texas

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 12 Oct 1999 10:17:40 -0600
From: Rod Cercone <rrwc@frii.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52930] RFI: Logging Laptop
Message-ID: <19991012101740.62824@frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Folks

I took the plunge--Got TRLog, Got RUFZ!

Now I want a decent used laptop to run them on. For those of you who "are

there", "are doing it" and "are wearing the Tshirt": What do I want

386/486? ----
xyzMHz? ----
color/BW? ----
xyzMb RAM? ----
xyzMb HD? ----
other stuff? ----

BTW/FWIW: I have a bazillion MHz, Compaq laptop with Tera bytes of disk & RAM, but I want a dedicated shack 'puter.

--

72/3 Rod, NORC
da di dah

Date: Tue, 12 Oct 1999 09:19:58 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [52931] Cyanoacrylates (Super Glue)
Message-ID: <3802FD3E.E3902AF2@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks, don't get all hung up on the "dangers" of using these adhesives. During years of building scale model R/C airplanes and boats, I've probably inhaled a few cubic feet of the fumes, without too much ill effect (contrary to what my XYL says). I've glued my fingers together and to other things often, and not required a surgeon's skills.

For best results, don't use the stuff in little squeeze tubes you get at the drugstore or supermarket. Get to a hobby shop and look for "Jet" or "Zap", which comes in thin and thick, various sized plastic bottles. They will also have small diameter teflon tubing to use like a hypo for precise placement.

You might look for the solvent, too. It will work on old, dried cyano, but it has to soak for a bit. No cutting required.

Place the pad(s) on the substrate, then apply a SMALL amount of cyano to the edge where the pad meets the sub...it will wick right in. You can put slight pressure on the pad with the eraser end of a pencil to hold it. It only takes a few seconds to set up.

If you're really hot for speed, and want some more strength, use a small artist's brush to lightly dust baking soda on the surface before placing the pad. The adhesive will "flash", that is, smoke a bit, and then it's done. This method generates a lot of heat, so whatever you do, don't get the mix of baking soda and cyano on your skin. You'll really feel that.

Normal ventilation methods, like a breeze through an open window, or that created by a ceiling fan will keep the fumes away. Of course, you don't want to use the stuff with your nose stuck right down on the surface. It stinks a bit when you're up close and personal.

Use the thinnest adhesive that will do the job. On copperclad, the thin mix works great. If you have to fill gaps or make a fillet, then the thicker mix is very good.

Just take normal precautions, like you do when you're soldering, and everything will be fine.

If you get any in your eyes, get to a doctor immediately.

Cyanoacrylates require warmth, air and a little humidity to do their stuff. Keep the bottle capped, in a safe spot in the refrigerator, and it will last a long time.

--

73, de Roger, N7KT
qrp-l #62, NorCal #1099, Zombie #006
Mesa, AZ 85202

Date: Tue, 12 Oct 1999 09:23:25 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52932] Re: Foxii Antennas
Message-ID: <Pine.GS0.4.10.9910120917520.25682-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 12 Oct 1999, KA5T Larry Wise wrote:

> Resist the urge to use those 4 element arrays and other exotic
> antennas.... Than exclude a big bunch of the hound pack....

I disagree!

Use the biggest and best antenna you can mounted up as high as

you can get it.

If it's a yagi, rotate it to cover all areas as needed.

I have a vertical.....with it I never even hear those 3 watt sig's working on the indoor antennas but with the yagi I stand a chance.

So which is better, to work with a omni dir antenna and miss many of the weaker signals or use the bast I can and give those stations a chance too? :-)

I know which one I chose....

>

> And, remember a low dipole for your close in hunters.....

>

This can work. I am always ready to change antennas if and when the pile up goes away....but as long as the rate is high, I don't make changes!

I'm already looking forward to the hunt..... :-)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 12 Oct 1999 11:27:47 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: wj5o@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52933] Re: 10Meter beacons & intruders
Message-ID: <38036183.7750BB54@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

It is historically very difficult to unring a bell.

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!

AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

wj5o@juno.com wrote:

>
> Hi All,
> Sad thing to say but the intruders are increasing in number especially in
> the CW portion of Ten Meters. Even with an otherwise nice contest weekend
> -- the intruders "screwed up" many frequencies.

Date: Tue, 12 Oct 1999 11:28:11 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: <wj5o@juno.com>, "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [52934] RE: 10Meter beacons & intruders
Message-ID: <000101bf14ce\$c75a8500\$ef5d6f81@uthscsa.edu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes this is extremely frustrating but be careful not to "interfere" with them or otherwise try to run them off the band.

I'm sure you know it is illegal to talk to them.
It is also illegal to "interfere" with them in any way. :-/
97.101(d) Doesn't differentiate between legal and illegal stations so be careful, you could get yourself in trouble.

Kevin, WB5RUE

Date: Tue, 12 Oct 99 09:31:24 -0800
From: Anthony Felino <anthony@pacinfosb.com>
To: qrp-l@lehigh.edu
Subject: [52935] regen
Message-ID: <Chameleon.939746317.anthony@anthony>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The thread on variometer tuning forced me to produce a variometer-tuned regen for the Pacificon contest. I am not able to attend Pacificon, so I was hoping that someone would volunteer to accept it UPS and take it to the show

for judging. Any volunteers? I'll pay shipping both ways,
of course.

Thanks in advance,

WN6Q

Anthony Felino, Pacific Information Design
email: anthony@pacinfosb.com, afelino@eng.delcoelect.com
telephone: (805) 730 1565, x25
fax: (805) 730 1569

Date: Tue, 12 Oct 1999 09:50:14 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [52936] Paul Harden, Pacificon Speaker, #4 in a series
Message-ID: <01bf14d1\$db6df4c0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Paul Harden, NA5N is no stranger to Pacificon attendees. He has spoken at every one of the NorCal Qrp forums, and every year people ask for him to return. Paul is one of the most talented individuals that I have ever known, he is a wonderful teacher, artist, printer, electronics guru, graphic artist, designer, trouble shooter, ham radio elmer, and most important to me, a very, very close friend. I can never repay Paul for all of the help that he has been to me the past few years.

He will be talking on "Learning Electronics from a Regen". Paul will take us through the famous Desert Ratt 3 Regen that he designed and hundreds of qrpers have built and explain exactly what is happening as he goes through the circuit. He has provided 10 pages for the compendium, and they are a special treat. Done in the style that is uniquely Paul's, you will recognize it as his work the moment you see it.

The presentation will not be Paul's only contribution to Pacificon. He has built a unique Tuna Tin 2/MRX Receiver combo, and has highly modified it. Paul will be entering the special NorCal Pacificon QRP Fox Hunt on Friday night with this rig. Come and watch as he tries to work Mike Gipe, the Fox. Paul and Darrel Jones, WD6BOR, will also set up test equipment at the QRP Hospitality room on both Friday and Saturday nights so they can demo trouble shooting procedures, and show the rest of us how to use all of that test equipment.

The trip to Pacificon would be worth it alone to meet Paul Harden, who is a QRP Hall of Famer. He was inducted this year and deserved the honor long ago. Mark Paul's talk as a MUST for Pacificon this year.

Don't forget the vendors at Pacificon this year. We will have space for the vendors, and there will be some exciting announcements of new products at Pacificon. People used to announce everything at Dayton, but that has started to change. Eric and Wayne made the Elecraft announcement at Pacificon, NorCal introduced the NorCal K8FF Paddles, and this year, there are several new products making their debut:

Red Hot Radio will have the first Red Hot 40 kits available. I talked to Dave on the phone last night, and he will pick up the boards today. They are definitely unique and have a Red flavor to them. You will be able to buy a Red Hot 40 or Red Hot NC20 at the show and take it home with you!!

Doug Hauff of San Luis Machine will have the brand new KC6RIE Keys. These back packer specials are magnet based, and rugged, yet light. Anodized aluminum construction, built by the master machinist himself. These are not a kit, but come assembled and ready to go.

Sam Imai, of the newly formed Lake Perris QRP Society will have Lake Perris QRP Antennas. A brand new kit, and sure to be a hit.

George Heron of the NJ QRP Club is coming all the way from NJ and bringing not one but two new QRP products. He will have sample issues of the new QRP Homebrewer, which is the new QRP journal that was announced a few hours ago. You can become a subscriber to the newest QRP journal. It is modeled after QRPP and Sprat in size, and we all know the outstanding work that George does as an editor. He has done the editing for the past two FIDM compendiums, the Atlanticon compendium and was the editor for two of the best issues of QQ to ever hit the streets. He will also have the newly kitted Tuna Tin 2 kits, with all of the Dave Fifield and Dave Meacham mods included in the kit so it will be "legal". The best thing about the TT2 kit is the price!! Only \$10.

Richard Stamile, KG2ED, is coming from Long Island, New York and will be showing his new product the Long Island Mercury paddles. Richard is a true artist, and his work has to be seen to be believed. He will have a set of his paddles for you to test drive, and believe me, it is fun to drive. This is the first time that Richard has set up a booth for his products.

Eric and Wayne will have the brand new SSB adapters available for the K2, and you will also be able to see the prototype of the new self contained antenna tuner. All of this plus the K2!! They will have K2 kits that you can buy and take home with you.

Plus we will have Gary Diana from Embedded Research with his EPS power

supplies, he only has 20 of them with him, so get to him early if you want one!! TiCK Keyer Kits and TiCK 4 keyer chips. If you need to upgrade the keyer in your NorCal 20 or Red Hot 40, see Gary.

Jay Bromley, W5JAY from the Fort Smith QRP Group has been working night and day kitting up the most useful piece of test equipment I have ever bought for \$10, the VE3DNL marker generator. Plus, he has added a protection diode so you won't blow the chip!! It gets better and better. This kit is the one that both Chuck Adams and I recommend that every QRPer have.

Brian Kassel, Bob and Bertie Hightower from the Arizona ScQRPions QRP Club will be there with 2N2/40 boards that are the best way I know of to build the classic homebrew rig, the 2N2/40 by Jim Kortge, K8IQY, who will just happen to be there!!

Joe Everhart, N2CX will be there with his Gusher Portable antennas.

Jerry Parker with NorCal T-Shirts.

Bob Dyer with Wilderness Radio will be there with his full line of kits.

Paul Harden will have his QRP Data Books, Elmer 101 issues and 2N2/40 issues of QRPP.

NorCal will have Toroid Kits, 98 Back Issues, 7.040 and 7.122 Crystals.

The best part of all of this is that it is absolutely free, no additional charge for the QRP Forums or any QRP Events. All brought to you courtesy of NorCal. It is our way of saying thank you to all Qrpers. And, don't forget, we have 300 Pacificon NorCal QRP Forum Compendiums to be given away to the attendees. This book will not be available after Pacificon. It has articles from all of the speakers, Joe Everhart, Mike Gipe, Paul Harden, Jim Duffey, Jim Kortge and Dick Pascoe, plus the TT2/MRX information. 77 pages, plus 3 fold out schematics, wire bound with a heavy duty card stock cover.

See you in Concord this weekend. 72, Doug, KI6DS

Date: Tue, 12 Oct 1999 11:44:54 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: rules@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52937] Re: CB Amps on 10 Mtrs
Message-ID: <38036586.A37DBE74@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Randy, as a licensed amateur you can build or test anything that meets FCC regulations for the Amateur Service. The amplifier may be illegal for

CB use but that has no impact on its application on the ham bands. You might want to review the regs on spectral purity, etc. but you have the right idea about cleaning the thing up.

Just don't let it fall back into CB hands - that WOULD be illegal! ;^)

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Randy Jouett wrote:

>
> Gang,
>
> I was doing some horse trading the other day, and I
> picked up busted CB amplifier. I was wondering if I
> could use the thing with the HTX-10 legally when it
> was repaired and working?

Date: Tue, 12 Oct 1999 09:44:55 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Roger Hightower <n7kt@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52938] Re: Cyanoacrylates (Super Glue)
Message-ID: <Pine.GS0.4.10.9910120938300.25682-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Roger,

Thank you for the first good post about the super glue issue!

Everything we do CAN give off some by product that if taken in some silly amounts for long enough times MIGHT be bad for you!

So just keep the air moving any fumes moving away from you and don't eat the glue! It's not the same as the paste we all ate back in grade school! :-)

I sometimes think that the ability to measure down into the trace amount areas has caused too many people to stop having fun and instead to start fearing life!

Heck, I've know some guys in the oil fields that gave off worse fumes than any glue I've ever been around! :-)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 12 Oct 1999 09:58:08 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [52939] Need Help with Pacificon Transportation
Message-ID: <01bf14d2\$f5ee8340\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, do I have an opportunity for someone. I need someone to step forward and volunteer to pick up Joe Everhart and Jim Kortge from the San Francisco Airport Friday. Joe will arrive at 12:41 and Jim will follow at 2:26. If you can help out and pick up these two guys and deliver them to the Sheraton in Concord, we would be forever in your debt. Plus, you will be able to have the guys as a captive audience!! Just think, two of the most famous Qrpers in the world riding with you!! Please email me if you can help out.

Also, Paul Harden will be arriving in Oakland at 5:38 PM on Friday. We need a volunteer to pick him up also. Is there anyone who would like to help out here? Again, please email me. 72, Doug, KI6DS

Date: Tue, 12 Oct 1999 11:48:44 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52940] Re: Foxii Antennas
Message-ID: <3803666C.9A76EFBB@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7bit

Them what has, gits . . .

Them what has not, gits got!

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Monte Stark wrote:

>
> On Tue, 12 Oct 1999, KA5T Larry Wise wrote:
>
>
> > Resist the urge to use those 4 element arrays and other exotic
> > antennas.... Than exclude a big bunch of the hound pack....
>
> I disagree!
>
> Use the biggest and best antenna you can mounted up as high as
> you can get it.

Date: Tue, 12 Oct 1999 12:58:04 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: bahr521@earthlink.net
Cc: qrp-l@lehigh.edu
Subject: [52941] Re: NorCal Toroid Kit
Message-ID: <v03102804b4291807e1c8@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Does anybody know what kind of Ferrite Beads are included in the Toroid
>kit? They appear to be FB(XX)-101 size. Is the material 43,64,73 or 75
>material? Sure would like to know. Any input would be appreciated.
>Lee Bahr w0vt Houston, Texas

Per Doug Hebdricks' original Toroid Kit post, they are 43 mix. I received
my kit yesterday and I'm very pleased.

72,

Rick kf4ar

Date: Tue, 12 Oct 1999 12:58:17 EDT
From: WB9MII@aol.com
To: qrp-1@lehigh.edu
Subject: [52942] Twinax available ?
Message-ID: <0.19174457.2534c2a9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello,
In the recent QQ magazine I got today, NFOR had a very interesting indoor antenna article. I didn't have a lot of luck making up a "balanced line" outa coax. He mentioned something called "Twinax" which could be used. This is a new one on me...have any of you guys heard of this...and where I could lay hands on some ? Many thanks 72
Greg WB9MII

Date: Tue, 12 Oct 1999 13:00:14 -0400
From: Ron Majewski <majewski@erim-int.com>
To: qrp-1@lehigh.edu
Subject: [52943] FOX: Pre-Fox Bash at W8RU
Message-ID: <3803691E.9D3FE234@erim-int.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

I plan to be active on 40m starting around 0100utc (about 9pm EDT on Tuesday, 12 Oct).
I'll try to operate between 7.030 and 7.040

I live in Milford, Michigan which is on the northwest side of Detroit.
I'll be running 5w to a 2el yagi at 70ft.

I hope to hear and work many of you hounds.

72/3!

Ron (W8RU).

Date: Tue, 12 Oct 1999 10:01:11 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52944] Re: FOX: Pre-FOX Warm-up for KU7Y
Message-ID: <Pine.GS0.4.10.9910120959340.26726-100000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Opps.....

I will be later than I had thought....

I'll start calling CQ Fox about 0130z tonight.....just found
out about a delay I'll have.

7040 + -

Be there or be square.....

Little antenna, big antenna.....you are all welcomed!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 12 Oct 1999 13:04:00 -0400
From: "Richard E. Robinson" <rerobins@email.uncc.edu>
To: wj5o@juno.com
Cc: qrp-l@lehigh.edu
Subject: [52945] Re: 10Meter beacons & intruders
Message-ID: <v03102806b42919ab4467@[152.15.144.71]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bill, WJ50, writes;

>Hi All,

>Sad thing to say but the intruders are increasing in number especially in

>the CW portion of Ten Meters. Even with an otherwise nice contest weekend
>-- the intruders "screwed up" many frequencies.

Let's all pray that "Riley the Enforcer" has the success on 10 meters that
he's had on 75 and 20. He has stated publicly that 10 and 11 meter
infractions are his next target.

BTW, I saw several "non-type accepted" amplifiers for sale at a recent
hamfest. The licensed ham who was selling them acknowledged that Riley's
recent statement has caused him to get out of the 11 meter amplifier
business.

Go get 'em Riley.

Rick kf4ar

Date: Tue, 12 Oct 1999 10:07:25 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Bill B Lazure <n2tpa@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52946] Re: Nov SS CW Heads Up Note
Message-ID: <Pine.GS0.4.10.9910121003470.26726-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 12 Oct 1999, Bill B Lazure wrote:

>
> >4. Now this doesn't count if you do this and then don't submit
> > the log. You can do this electronically. Read the ARRL web
> > page <http://www.arrl.org/> and QST and after the contest I
> > will post how to email the results in and the format.
>
> (I've never done it electronically, and don't use a logging program.
> When you release this info, I'd appreciate it if you could tell us a
> common program that'll write in the correct format (ie, Notepad, wordpad,
> plain DOS)
>

The ARRL explains the format on their web site. The brief explanation
is that it needs to be in pure ASCII text. On top of that all the
information they want needs to be there in the right places.

It's all detailed on their site.

And a new format is being started this year and will be a "have to use" by next year. The plan is for all contests to use this same format and finally have a "standard" log format for all contests.

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 12 Oct 1999 13:26:12 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Monte Stark <ku7y@dri.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52947] Re: Foxii Antennas
Message-ID: <Pine.3.89.9910121349.A20046-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 12 Oct 1999, Monte Stark wrote:

>

> If it's a yagi, rotate it to cover all areas as needed.

>

And if you're in SFL, just aim that sucker NW and forget it! :-)

Wish I could join in the fun but my overnight work shift squelches it for me.

73,

Bob Patten, N4BP , ' ' ' , (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 12 Oct 1999 10:33:01 -0700 (PDT)
From: "Jack Oakland, CA" <w6abc@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [52948] Request for Beaconing info

Message-ID: <19991012173301.28151.rocketmail@web2102.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi,
Been reading the 10 meter beacon thread and wonder if anyone can give me some info on where to send a beacon on the 10 meter band. Also, what is the general format of info to include on the beacon message? Is there a way of finding out if anyone is copying the signal, via email perhaps.
Anyway I'd like to learn more about this from the experts.
Thanks and 72,
Jack

=====

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Tue, 12 Oct 1999 13:36:36 -0400
From: Laura Halliday <lha@sdr.utias.utoronto.ca>
To: qrp-1@lehigh.edu
Subject: [52949] Re: Stable Capacitors
Message-ID: <3.0.6.32.19991012133636.007d4540@madrox>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dan W. Dooley (dandooley@pipeline.com) wrote:

> Does anyone have any input on the best fixed capacitors to use in tunable
> VFO circuits?

> Are NPO types best even though negative values (e.g. N770) may have been
> used in the original circuit? I understand that neg. coefficient types are
> becoming harder to come by. Seems to me, that good, current technology NPOs
> would offer less chance of drift. What about using modern polystyrene
> types?
> (snip...)

Build the VFO as stable as you possibly can before you start messing with it. Use NPO capacitors, stable toroids (e.g. -6), and build it like a battleship. Then you can evaluate drift; until you have the

base VFO right, measurements are meaningless.

Digi-Key have a good range of N750 leaded capacitors. I've never found chip capacitors in anything other than NP0.

W7ZOI published a good article on VFO temperature compensation that is reprinted in QRP Power.

In an existing radio it might be easier to cure a drifty VFO with a Huff and Puff circuit. Depends on how drifty it is...

Laura Halliday VA3LDH "Que les nuages soient notre pied
Grid: FN03gs a terre..." - Hospital/Shafte

Date: Tue, 12 Oct 1999 13:41:38 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Elecraft Reflector <elecraft@qth.net>, QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [52950] Thanks!
Message-ID: <Pine.3.89.9910121339.C20046-01000000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

To all who forwarded the URL for Jeff Grudin's website with the K2 Options.
My neighbor has been studying the K2 on the Elecraft website and intends to buy one. Now he'll know what one looks like fully loaded. Hopefully I will too very soon - close up and personal...

73,

Bob Patten, N4BP (0 0) Plantation, FL
-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 12 Oct 1999 10:58:25 -0700 (PDT)
From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52951] New Rigs to be seen at Pacificon
Message-ID: <Pine.GS0.4.10.9910121045050.27428-1000000@rotor.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

Doug forgot to mention the new all band kit that Frank Nance, W6MN, will have there.

Here is a bit of info from a previous post:

MN9 from Sierra Radio Enterprises

50 mW to 12 W - CW/SSB

USB, LSB, CWHI, CWLO (selectable CW sideband)

160 meters through 10 meters including WARC bands

Digital Frequency / Clock Display

Vackar VFO with ZERO DRIFT* (* by adjusting 2 rear panel mounted pots)

Built in electronic keyer and SWR bridge

Front firing speaker - handsome front panel

Full QSK CW Break-in, 2 jacks for paddle and key

Narrow band CW filter option

Dual, half-lattice 9 Mhz xtal filter for SSB

Variable RIT/XIT

Selectable IF Scan with Scan Adjust for filter rej. of unwanted sigs.

NO RELAYS!

No external test equipment needed for alignment

Adjustable bandspread, both in width and in ham-band position

Frank brought some parts by the other day and this looks interesting.

I'd say that it slips inbetween a Sierra and a K2. But only time will tell.....

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@dri.edu.....Washoe Lake, Nevada.....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 12 Oct 1999 14:07:57 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-l@lehigh.edu>
Cc: "wa8mcq" <wa8mcq@erols.com>
Subject: [52952] Sample QRP Hall of Fame nomination
Message-ID: <199910121800.0AA20810@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Here's an example of a meaty, well written nomination for the QRP Hall of Fame, to give you some idea of what we'd like to have. Yours don't necessarily have to be this long, of course, but we do need good, solid, factual information for the voting body to base their decisions on.

This nomination of Paul Harden was written by Doug Hendricks, and is posted with permission. (Paul was inducted into the QRP Hall of Fame in 1999.)

73 and queue our pea DE WA8MCQ

Nomination of Paul Harden, NA5N by Doug Hendricks, KI6DS

I would like to nominate a man who surely deserves consideration for the QRP Hall of Fame, Paul Harden NA5N. Paul's list of accomplishments in QRP are long, and I hope that I am able to list all of them here.

First of all, he wrote the book, QRP Handbook for Homebrewers, which is a must for every QRPer who builds. The book came out in 1996, and is still selling very briskly. It has become the "bible" for QRP builders, and I have never heard a bad comment about it. Many, many people have posted to QRP-L what a treasure this book is.

He has been a contributor to QRPP for the past 4 years, writing many, many articles, doing illustrations, and his "QRP Hints and Kinks" column is one of the first things many subscribers turn to when they receive

their copy of QRPP. Paul's ability to illustrate complex things with his artwork is legendary.

He has been a featured speaker at every major QRP forum in the United States. Pacificon, Ft. Tuthill, Hamcom, Atlanticon, and Dayton have all seen him speak to standing room audiences. His topics of troubleshooting and solar data are both extremely well done.

Paul contributed many postings and suggestions to the 38 Special transceiver project. He has been a major contributor to the 44 Magnum which is the commercial aftermarket of the most popular NorCal kit ever.

Paul was the one who came up with the idea of "Theme's" for QRP contests, with "Ghost towns" being the first. Who can ever forget the "Riley Wind" expedition? Paul's latest endeavor, "Run to the Borders" theme has quickly made QRP to the Field one of the most popular QRP contests on the air.

Yet Paul's greatest contribution may be his reporting of the solar conditions on QRP-L. He has enabled countless hams to understand what the solar reports mean and how it will affect them. Hardly a week goes by when you can't find a solar report from Paul that gives up to date information in a form that is easily understood.

Paul has helped to make QRPP into what it is today. He has been one of my most consistent advisors and constructive critics. I consult with Paul constantly on what articles to put in QRPP and how to present them. He was the one who encouraged me to devote a whole issue to the Elmer 101 series, one which has certainly become a classic issue for QRPP.

Paul Harden is a true QRPer. He has elmered hundreds of guys who have struggled with building a qrp rig. He does this quietly, without fanfare. He promotes QRP every day, he is a wonderful QRP speaker, he loves to operate QRP in contests, and he believes in having fun. I think that Paul is probably one of the most recognizable names in QRP today and for the past several years. He has made QRP what it is today. He deserves to be in the Hall of Fame.

--DE KI6DS

Date: Tue, 12 Oct 1999 14:16:00 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-1@lehigh.edu>
Cc: "wa8mcq" <wa8mcq@erols.com>
Subject: [52953] Re: PC Board Tinning Solution
Message-ID: <199910121808.0AA20872@xanadu.evi-inc.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Another source of the tinning solution is Active Electronics. They have a number of stores scattered around the country, and they should have it in the area where they have PCB supplies--or at least the one near Baltimore does.

BTW, treat the liquid with respect and caution and good ventilation, and heed all warnings on the bottle. And it helps to make sure the board is very clean and free of grease and oils before using it.

73 and queue our pea DE WA8MCQ

Date: Tue, 12 Oct 1999 13:19:21 -0500
From: "George T. Baker" <w5yr@swbell.net>
To: qrp-1@Lehigh.EDU
Subject: [52954] HP Crystal Oscillator Units
Message-ID: <38037BA9.B98E5234@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

If anyone who obtained one of the HP 10811E Crystal Oscillator Frequency Standard units from Ed Loranger (WE6W) wants to peddle a working unit, please drop me a note. I have cash available for a working, undamaged unit.

Thanks, guys.

72/73, George AMA 98452 R/C since 1964

Amateur Radio W5YR, in the 54th year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE ARS 10-X 33.2 N 96.6 W EM13RE

Date: Tue, 12 Oct 1999 12:24:40 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-1'" <qrp-1@lehigh.edu>
Subject: [52955] Words per minute
Message-ID: <01BF14AC.C36D16A0.bmug@gwl.com>

Hello All,

I just got out of a training class so I can be a better listener. Did you know that we speak at approximately 120 to 180 words per minute. We Listen or hear at approximately 400 words per minute and we think at approximately 800 words per minute.

If this is so true WHY do I have a hard time with Morse code at 15 WPM?????????

Just wondering

de KI00T, Brad

Date: Tue, 12 Oct 1999 14:33:46 -0400
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <qrp-1@lehigh.edu>
Cc: "wa8mcq" <wa8mcq@erols.com>
Subject: [52956] Re: Mixer Circuits: Build 'em or Buy em?
Message-ID: <199910121826.0AA21067@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Someone asked

> Does anyone know a technical source that explains
> in detail how the popular 4 diode DBM circuits work?

And K6QQ said, "Try "Introduction to Radio Frequency Design", by Wes Hayward, W7ZOI (available from the ARRL)."

Another source of info is an article in the November 1994 issue of Wireless Design & Development, a trade journal I've been getting for years. It was by Barrie Gilbert, the father of the Gilbert cell mixer, and titled "Demystifying the Mixer." It's not written at a basic level; it's more for the engineers, but still worth taking a look if one is technically inclined.

You'll probably have a hard time coming up with back issues of this magazine, but I can supply some photocopies on request. I asked Barrie for permission to reprint the article in the QRP Quarterly, but he told me he didn't actually write it. He indicated that it was a compilation and condensation by the editorial staff from some of his previous works. I never did get around to contacting the magazine for permission to run it in

the QRP Quarterly, but if enough people would like to see it there I can give it a try.

PS: Chris T--you don't need to send me a private comment on the Gilbert cell mixer; we've already had that conversation and I know your position :-)

73 and queue our pea DE WA8MCQ

Date: Tue, 12 Oct 1999 11:44:06 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <ku7y@dri.edu>
Cc: <qrp-1@lehigh.edu>
Subject: [52957] Need a Favor
Message-ID: <01bf14e1\$c3dcfc60\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Monte, first of all my apologies to Frank and the list for not listing his rig. I just forgot it, and offer no excuses. Would you be so kind as to contact Frank and ask that he bring the rig to the QRP Open house both Friday and Saturday night? We will be happy to provide table space for his display, and I am sure that he will draw a huge crowd of interested qrpers.

I am most anxious to see the rig. Thanks for bringing it to our attention, and if you can get an answer from Frank, please let us know. 72, Doug

Date: Tue, 12 Oct 1999 12:36:14 -0600
From: "Ron Smith" <resmith666@uswest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52958] Re: Words per minute
Message-ID: <02c501bf14e0\$bd3a2f00\$0200000a@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> If this is so true WHY do I have a hard time with Morse code at 15 WPM?????????

Do you speak Greek or French? CW is just another foreign language that you

need to learn to read and think in. Only reason I can think of. :-)

Ron - KD7VD

Date: Tue, 12 Oct 1999 11:36:30 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-1@lehigh.edu
Subject: [52959] 10m antenna @ R/S ?
Message-ID: <19991012.113631.-379289.0.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Has anyone used the Radio Shack CB/10 meter Ham base-station antenna in the current R/S catalog?

It's on page 88 of the 2000 catalog, and lists for \$69.95. pn. 21-869 and seems to be a regular stock item.

It's 17 1/2 ft overall, 3-section fiberglass with dual tuning rings for low SWR. A ground plane kit is available through RSU for \$29.95, using three 6 ft radials. I
I'm guessing it is a full-wave vertical on 10m with some sort of matching network for bottom feed.

Just wondering if this is a decent 10m vertical for us who have little real estate to work with.

73,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 12 Oct 1999 11:41:39 -0700
From: "Kory Hamzeh" <kory@avatar.com>
To: <qrp-1@lehigh.edu>
Subject: [52960] Pre-wired 2.1mm power plugs
Message-ID: <000401bf14e1\$6b6f0be0\$14ce21c7@tomcat.avatar.com>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anyone know a source for 2.1mm power plugs that come pre-wired with at least 18 ga. wire? All of the stuff at Mouser (and other sources I've found) use much thinner wire or they are 2.5mm.

Thanks,
Kory
AC6RN

Date: Tue, 12 Oct 1999 12:57:30 -0600
From: "Rod Cerkoney" <rwc@frii.com>
To: <bmug@gwl.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52961] Re: Words per minute
Message-ID: <009401bf14e3\$a6152ac0\$b68611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

PRACTICE!

For two or more decades you have been using "English language" for 12 or more hours/day to communicate and think in. How many hours per day do you practice/think in Morse?

When I was studying for my Extra I did code for 1-2/hrs per day. W1AW then Qs right after. Did that for 5-6 days/wk for a month. Now I only get about 1 hour of code in a day 3-4 days per week, and I've noticed my code speed drop 15-18. Was 20-22.

72/3 Rod, NØRC
da di dah

----- Original Message -----
From: Brad Mugleston <bmug@gwl.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, October 12, 1999 12:24 PM
Subject: Words per minute

...

> If this is so true WHY do I have a hard time with Morse code at 15
WPM?????????
>

Date: Tue, 12 Oct 1999 15:12:31 EDT
From: Shepherd@aol.com
To: qrp-1@lehigh.edu
Subject: [52962] Re: Words per minute
Message-ID: <0.4b775b7.2534e21f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

In a message dated 10/12/99 2:26:41 PM Eastern Daylight Time, bmug@gwl.com
writes:

<< Hello All,

I just got out of a training class so I can be a better listener. Did you
know
that we speak at approximately 120 to 180 words per minute. We Listen or
hear
at approximately 400 words per minute and we think at approximately 800
words
per minute.

If this is so true WHY do I have a hard time with Morse code at 15
WPM?????????
>>

Another reason is that when we listen to the spoken word, we recognize the
individual syllables as words that mean something. When we learn the code,
were doing the same thing but were starting over so to speak.

The faster ops will tell you that they hear the words that the individual
elements make up, they don't hear-. --- --, they hear from.

Try having a conversation with someone where you spell out the words when you
speak, your "decoding" speed will drop way down from 400 WPM.

As you learn the code and use it more, you'll find yourself hearing words, not dits and dahs, it just takes time.

73

Dan, N8IE

Date: Tue, 12 Oct 1999 13:21:36 -0600
From: Brad Mugleston <bmug@gw1.com>
To: "'Rod Cerkoney'" <rwc@frii.com>
Cc: "'qrp-1'" <qrp-1@lehigh.edu>
Subject: [52963] RE: Words per minute
Message-ID: <01BF14B4.B66E1640.bmug@gw1.com>

Practice, that is the big one.

I really wasn't looking for the reason why I couldn't go faster but why the BEST of the BEST only hit around 1/5th of what we can hear for words.

Rod, I've got to give it to you. 1 to 2 hours / day. That's a lot of dedication.

de KI00T, Brad

-----Original Message-----

From: Rod Cerkoney [SMTP:rwc@frii.com]
Sent: Tuesday, October 12, 1999 12:58 PM
To: bmug@gw1.com; Low Power Amateur Radio Discussion
Subject: Re: Words per minute

PRACTICE!

For two or more decades you have been using "English language" for 12 or more hours/day to communicate and think in. How many hours per day do you practice/think in Morse?

When I was studying for my Extra I did code for 1-2/hrs per day. W1AW then Qs right after. Did that for 5-6 days/wk for a month. Now I only get about 1 hour of code in a day 3-4 days per week, and I've noticed my code speed drop 15-18. Was 20-22.

72/3 Rod, N0RC
da di dah

----- Original Message -----

From: Brad Mugleston <bmug@gwl.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Tuesday, October 12, 1999 12:24 PM
Subject: Words per minute

...

> If this is so true WHY do I have a hard time with Morse code at 15
WPM?????????

>

Date: Tue, 12 Oct 1999 12:23:06 -0700
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.edu
Subject: [52964] Fox party
Message-ID: <v03007800b4293a56019d@[216.26.3.88]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'll attempt to be on at 2 times-first 0000-0200 around 14.060; and then
for you 'Nightowls' (my team members better show up!), I'll be back on 40
(7.040) from 0300-0500. My 'true' fox date is 1/26/00 at 0100. Hope to see
you all!

Dan Presley-N7CQR-Portland, Or QRP-L #502

Date: Tue, 12 Oct 1999 13:42:19 -0600
From: Rod Cerkoney <rwc@frii.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52965] FOXHUNT: pre foxhunt bash fox taut III
Message-ID: <19991012134219.11045@frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Lotsa juicy Foxii on the prowl tonight!!

Yum Yum, hear foxii Foxii hear foxii foxii...

Yo queiro(sp) RF waves?

; -)

--

72/3 Rod, N0RC, AKA Spott: The Lone Hound, NO Club, NO Rules! ; -)
da di dah

Date: Tue, 12 Oct 1999 13:51:36 -0600
From: Rod Cerkoney <rlc@frii.com>
To: bmug@gw1.com, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52966] Re: Words per minute
Message-ID: <19991012135136.64565@frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

On Tue, Oct 12, 1999 at 01:21:36PM -0600, Brad Mugleston wrote:

> Practice, that is the big one.

>

> I really wasn't looking for the reason why I couldn't go faster but why the
> BEST of the BEST only hit around 1/5th of what we can hear for words.

>

AH now that is a different question. Thinking about the intercharacter/word spacing, my bet is that past a certain speed you can't distinguish on off patterns of letters or words. And that is probably do to the physics of how the ear works. A much better detector of frequency/amplitude modulated signals, than a pulse code modulation detector.

--

72/3 Rod, N0RC
da di dah

Date: Tue, 12 Oct 1999 19:52:17 +0100
From: "KA5T Larry Wise" <lewise@inetport.com>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [52967] Re: Foxii Antennas
Message-ID: <199910121952.0AA22000@admin.inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Gang:

I sure got bombed on that suggestion.. I was thinking of people using

fixed arrays.... That has happened.... Being 50 miles from a fox using a fixed 4 element vertical array with you in a null is bad news.... :-)

Of course with a rotatable array of some sort it would be just dumb not to use it and I agree with that... :-)

Larry KA5T

Date: Tue, 12 Oct 1999 22:01:10 +0200
From: DL2FI@t-online.de (Peter Zenker)
To: "QRP-L via PoP3" <qrp-l@lehigh.edu>
Subject: [52968] German language QRP Listserver
Message-ID: <000001bf14ec\$877e4520\$0ca09ec1@zenkerpn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello QRP friends

Are you interested in training German language by discussing QRP?? If so, subscribe to the new German language QRP Listserver. For sure good for studends and for Grandchilds with german speakin Grandma :-))
Listserver is at qth.net
to subscribe send an e-mail to

majordomo@qth.net
In the text write

SUBSCRIBE DL-QRP-AG
to unsubscribe write

UNSUBSCRIBE DL-QRP-AG

attention, intro will be in German language ;-)

Have fun, Peter, DL2FI
(Ofcourse I stay at QRP-L, have no English speaking Grandma, but like the training ;-)

Attention: Please use my new mail account:
Achtung: Bitte neue e-mail adresse benutzen:

DL2FI@t-online.de

Date: Tue, 12 Oct 1999 13:17:03 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Elecraft
<elecraft@qth.net>
Subject: [52969] Re:Pre-wired 2.1mm power plugs
Message-ID: <3803973F.EFCC2020@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Kory/AC6RN asked about 2.1 mm power plugs and where
to buy prewired with 18 AWG or larger.

Kory, Hopefully someone has the information. I do offer
up an idea.

On the 2 K2's that I built I had no problem wiring them
for the 18 AWG wire. I think one of them has 16 AWG
wire, that is my 600Volt Black heater cord!

It is easier to hook/solder the 20 AWG and smaller to
these plugs but it can be easy with 16 and 18 AWG.

What I did was first slip the plastic shell over the
rubber coated wire so you know it fits :)

Then split the two wires and strip back appropriately.
You only need about .1 inch of copper wire beyond the
insulation.

Place the 2.1 mm plug gently into a vice, padded with
newspaper or wood holders. Position the center conductor
of the plug toward you. Gently bend the center solder
lug of the plug away from the ground lug solder hole so
the center soldering hole is easily accessible. Use a
miniature round file and carefully enlarge the
holes so that your wire will fit. A trick I use is
to flow solder into the 16 AWG wire tip while it is
still factory twisted and tight, then I use a mini-flat
file and form a tip on it and it is very easy to not

loose any strands, and it fits the connector holes easier.

Without bending any wires or losing any, insert the ground wire directly into the grounding hole. Hold the wire by taping it to the vice. Solder the ground lug and trim. Sometimes I bend the wire over first, then solder and trim.

Position the positive wire so that it can be pushed directly into the center pin hole without losing any strands. Solder, trim. Then bend the center pin back to its original location. Check that no strands can ever possibly short out and that your connections are PERFECT.

Stir up a can of "Dip-It" liquid rubber available at hardware stores. Get a cotton swab "Q-Tip" is one brand. With the swab loaded with liquid rubber, daub around between the connectors and back toward the crimp ring of the plug until the wires are covered neatly. Allow to dry at least 30 minutes at 75 deg. Fahrenheit. Longer if needed.

Tighten the plastic keeper and you are done.

The other end uses the crimp on lugs for gel-cells and they are soldered/crimped, and a coating of "Dip-it" over the connectors. You can get "Dip-It" in Red, black, and green and blue I think. Mine is Black, so I only coat the Negative terminal of the cord. The crimp connectors are Red so the positive is easily identified.

I make these up a lot and they last forever.... How long? har...

For heavy or permanent use I tie TWO "UL" knots at the battery end, the second "UL" knot is tied left handed and BELOW the first "UL" knot. Symmetrical. Optionally, I have whipped the section with string and rubbercoated that. Or just put a tie-wrap on :) :) But I like playing with the rope and knots. Decorative.

72/Ed we6w

--

-Ed AR Millennium Q's=>1400/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

Date: Tue, 12 Oct 1999 16:34:12 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52970] Re:Pre-wired 2.1mm power plugs
Message-ID: <008801bf14f1\$2df3f5e0\$9001a8c0@wn.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

One option is the 'adaptaplug' at RS. I don't know about the current design, but the older design used two pins that went into a socket. You could insert the pins either way, and used the position to select polarity.

The only reason I bring them up is that you could easily solder BIG heavy wire to these pins quite easily. RS only sells wall warts up to 1amp that I know of using these things, so the wire may not be what you want with there 'extensions' for the plugs.

Mike Yetsko
N1DVJ

Date: Tue, 12 Oct 1999 15:32:07 -0500 (CDT)
From: "Michael L. Miller, M.D." <millerm@merle.acns.nwu.edu>
To: qrp-1@Lehigh.edu
Cc: millermd@nwu.edu
Subject: [52971] QRP sites in Cambridge, MA
Message-ID: <199910122032.PAA01924@anima.nums.nwu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I will be in Cambridge, MA starting November 13th, for 4 days. I am not sure of my schedule yet, but will be taking a portable qrp set up with me. Any suggestions of where in Cambridge I could set up easily enough an outdoor set up? Parks, etc.? Thanks!

73 de KG9ML, Mike

Date: Tue, 12 Oct 1999 16:36:22 EDT
From: JClinton46@aol.com
To: qrp-1@lehigh.edu

Subject: [52972] Re: Words per minute
Message-ID: <0.1ea0ad9a.2534f5c6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Most words are 1-4 syllables. A code word has syllables equal to the number of characters. The "average" code word is probably more than 4 distinct sounds. (Just look at this message and count the number of characters vs syllables vs words)

The point is, there is a limit to how many sounds one can distinguish in a given time frame. I bet that is the limiting factor for the code whiz.

Clint Poss
KE4FDT

Date: Tue, 12 Oct 1999 16:49:19 EDT
From: Bigbob97@aol.com
To: QRP-L@lehigh.edu
Subject: [52973] DL QRP PA
Message-ID: <0.d016a14c.2534f8cf@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Has anyone noticed that R13 - an SMT resistor is not used on the board? Or is mine missing? I cannot find it in the schematic. Thanks. 73,
Bob WB2DHK in jersey city, NJ

Date: Tue, 12 Oct 1999 14:17:43 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-l@lehigh.edu
Subject: [52974] CB/10m R/S vertical pn. 21-689
Message-ID: <19991012.141744.-71621.0.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi QRP friends,

Well, I stopped in at our local Shack to inquire about this antenna and it looks like they aren't shipping yet because they had none in stock. The clerk called a couple of other stores while I was there, and no one

else had seen them come in yet. Perhaps I call 1-800-THE-SHACK and see if there is any idea when they'll have them in the stores.

So unless you know something I don't, don't waste your time looking for these antennas just yet.

73, and more info when I get it.

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

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Free software, free e-mail, and free Internet access for a month!
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Date: Wed, 13 Oct 1999 07:20:59 +1000
From: "Ian C. Purdie VK2TIP" <ianpurdie@integritynet.com.au>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [52975] Re: Lead, cyanide, and other pastimes
Message-ID: <3803A63B.F49B56E9@integritynet.com.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

A lot of posts on this topic and here's my .02c worth.

I'm a licensed Plumber. Neither I nor any of my friends appear to have suffered any ill effects from soldering over a great many years. Often this involved spending whole days (read sometimes 10 hours) beneath houses replacing corroded galvanized pipe with copper tube and mostly in very confined spaces, inhaling lead/flux fumes..

I was ill a few years back and the finger of suspicion pointed to the obvious, "lead poisoning". Extensive (and expensive) blood tests revealed my levels were the same as the wider community. It would seem you are at greater risk from petrol/gas with lead in it.

None of this of course means you should not take sensible precautions where possible.

FWIW

72/73's

Ian Purdie
VK2TIP "I'll give you the TIP mate"
QRP-L member #1978.
URL - <http://www.integritynet.com.au/~purdic/>
URL - <http://www.qsl.net/vk2tip/>

Date: Tue, 12 Oct 1999 15:23:09 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: bmug@gwl.com, qrp-l@lehigh.edu
Subject: [52976] Re: Words per minute
Message-ID: <199910122121.PAA15161@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

>>we speak at approximately 120 to 180 words per minute. We
Listen or hear at approximately 400 words per minute and we think at
approximately 800 words per minute.<<

I was going to ask who it might be that we are listening to at 400wpm if we can
only speak 180, but then I recalled that you have mentioned those "Voices,"
Brad... [g]

Seriously, I guess those are statistical averages of some sort and probably
don't mean all that much in real terms, the point being that we think faster
than we hear faster than we speak, and the relativities look reasonable.

>>If this is so true WHY do I have a hard time with Morse code at 15
WPM?????????<<

The flippanant answer is that you are "copying" Morse code and not "hearing what
the other guy has to say. It will be a long time before you will be able to
say that you have been using code as long as you have been using English...
but if you do keep using it (code, I mean) you will reach a point where you are
hearing what someone "says" in Morse, without even thinking about the fact that
it is in code.

I know others have said that, but here's something I haven't seen mentioned yet-
- if we use Morse efficiently, we use abbreviations and leave out unnecessary
words and the effective rate of communication is about THREE TIMES the
transmission speed. In other words, if you can use Morse at 50wpm that is
comparable to speaking at 150wpm. Where did I get the three times figure?
Like the 18dB advantage of CW over SSB, it's a SWAG, but in terms of experience
it is reasonable. Take two guys working CW at 25wpm, and you will find that a

QSO takes about the same amount of time as a phone qso, with pretty much the same information passed each way.

So the bottom line is that the quoted speeds for speaking and listening are a pretty good indication of the communication speeds that can be achieved with Morse-- much higher than many people realize.

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express and Oak Hills Research

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<http://www.MorseX.com>

<http://www.ohr.com>

(303)752-3382

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Date: Tue, 12 Oct 1999 14:33:41 -0700

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: <qrp-l@lehigh.edu>

Subject: [52977] Oops #2, More Pacificon Vendors and another New Club Kit!!!!

Message-ID: <01bf14f9\$74c457a0\$630a0d0a@doug.dpol.k12.ca.us>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Darn it, goofed again. Forgot to mention that Jim Stafford will have a dual purpose booth, selling ARCI memberships, paraphanelia and also will be introducing yet another new kit, this one from the North Georgia QRP Club. The official announcement will be on QRP-L tomorrow, I believe Jim said that it would be posted at XX:XX UTC, so I won't take away his thunder. But will say that it is a great kit, and I will be buying one at Pacificon. Man alive, this just might be better than Christmas. I do know for a fact that Eric and Wayne, Dave Fifield, Jim Stafford, Doug Hendricks, Jay Bromley, Gary Diana, Doug Hauff, Jerry Parker, Frank Nance, Joe Everhart, George Heron, Sam Imai, and Richard Stamile have all been burning the midnight oil getting the kits ready to go. As Chuck Adams says, BRING MONEY!!

See you at Pacificon this weekend. And Jim, I didn't let the cat out of the bag, but I was sorely tempted!! 72, Doug

Date: Tue, 12 Oct 1999 15:27:41 MDT
From: "Jerry McCollom W0MC" <w0mc@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [52978] Fox W0MC on the run...
Message-ID: <19991012212741.32584.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Fellow Fox Enthusiasts...

I'll be dodging the foxhunters from 0300-0400 tonight on 40m +/- the buzzsaw....

Jerry
W0MC (really on the run Nov4 0200-0400 ;-)

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Date: Tue, 12 Oct 1999 17:36:43 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:lewise@inetport.com" <lewise@inetport.com>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [52979] Re: Foxii Antennas
Message-ID: <199910121739_MC2-8897-BB7A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Larry:

Well I am using my rotatable GAP Titan vertical. It probably doesn't qualify for a multi-element antenna, but at least being able to rotate it means I don't miss too many qso's :-) :-).

Here's hoping at least someone will be able to pick out my call from among

the ground clutter. I plan to be on 7040 +/- QRM beginning at 0000 tonight (that is 1900 Central Daylight Time). May elect to go up on Novice frequencies after that. Good luck yourself <VBG>.

72,

--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
70511.3041@compuserve.com

Date: Tue, 12 Oct 1999 14:45:04 -0700
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [52980] Fox: Par-ty! Par-ty! Par-Ty!
Message-ID: <3803ABE0.C2B3E6DA@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Quick, where's my Toga???

Boy, the Fox-Fraternity is gonna be pounding the brass tonight.

And the music is gonna be fine.

So let me get this straight:

We have Early and late Fun-Fox'es who call CQ. The hounds keep quiet except to slip in their call when possible.

Be sure to fine N7CQR or be lost!

Check 14.060, 7.040, and 7.110 as well.

Are all the bands game? I assume so. Will definitely have the rig set to a 6/60 dB swoop Factor!

I missed the first post regarding all this and I DID hunt for info. I see opportunities from 0000Z all thru 0500Z tonight. Hope you all have fun!

The NightOwls will have fun in this practice event.

For sure. Hoot!

Now for another pre-emptive nap
and a 9 mile fly-cycle home early to set up something
of a vertical just in case...

72/Ed we6w

--

-Ed AR Millennium Q's=>1400/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

Date: Tue, 12 Oct 1999 17:47:31 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [52981] Re: Words per minute
Message-ID: <3803AC73.BEF9C62F@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Marshall Emm wrote:

> I know others have said that, but here's something I haven't seen mentioned yet-
> - if we use Morse efficiently, we use abbreviations and leave out unnecessary
> words and the effective rate of communication is about THREE TIMES the
> transmission speed. In other words, if you can use Morse at 50wpm that is
> comparable to speaking at 150wpm. Where did I get the three times figure?
> Like the 18dB advantage of CW over SSB, it's a SWAG, but in terms of experience
> it is reasonable. Take two guys working CW at 25wpm, and you will find that a
> QSO takes about the same amount of time as a phone qso, with pretty much the
> same information passed each way.

Marshall,

A really decent book came out a few years ago - "Silicon Dreams" by
Robert Lucky - that went a long way toward explaining information
(communication) technology in (almost) layman's terms. Lucky was (I
think) a VP for R&D at Bell Labs or some such, and had some of the best
minds working for him. He tried to explain what they were doing in
every-day terms. Not QUITE successful, but understandable by most
technically oriented people.

He explained a good deal about the natural redundancy in speech and
written language (and also sound and images), and how that is put to
good use for data compression. It turns out that Morse Code is a very
efficient way to transmit English, since the shortest characters occur
the most frequently (e being the most common, etc.)

I recommend the book, even though it came out about 5-6 years ago.

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Tue, 12 Oct 1999 16:50:55 -0500 (EST)
From: igeq100@iupui.edu
To: Marshall Emm <mgemm@ntechnologies.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52982] Re: Words per minute
Message-ID: <Pine.HPP.3.96.991012164710.4377D-100000@ruby.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Marshall -

You have hit the nail on the head. In morse code, we are very economical about how we use words, while in ordinary speech we are very wasteful of words. Much of what we say is repeated several times in the course of a conversation or is otherwise redundant. I come away from a satisfying CW QSO amazed at how much can be communicated in relatively few words.

So I'll stop wasting words.

73 es GE,
Richard Meiss, WB9LPU

Date: Tue, 12 Oct 1999 18:03:49 EDT
From: charles k brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [52983] Radio Havana Cuba
Message-ID: <19991012.220202.6655.2.n4so@juno.com>

Radio Havana, Cuba
Dxers Unlimited
Tuesday evenings and Saturday evenings...
that is of course Wednesday and Sunday UTC day...

For North America
Just after 0130 UTC on 6000 kHz, 9820 kHz
and 11705 kHz(SSB), the AM frequencies of 6000 and 9820
are beamed ... 6000 to the East Coast of North America
and the 9820 to the Central USA and Canada
Repeated at 0330 UTC

nnnn
KJ5TF 2.5 mW worked with the NorCal 20 at 5 watts
and 4 ele. beam

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

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Date: Tue, 12 Oct 1999 18:11:07 -0400
From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [52984] Morse software doesn't have to be big
Message-ID: <3803B1FB.B4049EB1@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Folks,

If you have access to a C compiler and know how to use it, get the
program at:

<http://www.iocccc.org/1998/dorssel.c>

and compile it. Run it, type a text string, and press <Enter>. Then,
type a Morse string (using . for dit and - for dah, one space between
letters and two spaces between words) and press <Enter> again.

You can end the program by typing Ctrl-Z (on a DOS machine, or whatever
the End-Of-File character is on your operating system).

If you think you know C, try deciphering how the program works. It's
only 17 lines!

Dave

--

Dave Hinerman WD8CIV
Ontario, NY Grid FN13IF
dlh1009@rit.edu

Date: Tue, 12 Oct 1999 18:13:54 -0400
From: "Paul Helbert, Wv3j" <phelbert@rica.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [52985] Foxhunt: Pre-foxhunt event tonight
Message-ID: <3803B2A2.5D2D783A@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I'll be on 40 meters for a while tonight, off and on, here and there,
sometimes staying in my groundhog's hole then out to throw your traps
and leave a bit of sign.

Good luck,

Paul, Wv3j

--

Web addresses of interest:

<http://savageV.com/> click "Sponsorships"
<http://home.rica.net/phelbert>

Date: Tue, 12 Oct 1999 17:18:28 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [52986] Re: CB Amps on 10 Mtrs
Message-ID: <006301bf1500\$0011c0d0\$7b66d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

What a topic! Got all kinds of answers, and I'm still kinda' in the "head scratching" mode. :^). Here's a sample of some of the replies that I've received on this subject with my responses, and I also left out the names of the repliers' to protect the innocent :^)....

> No problem on using it on 10 Meters as long as it met spectral requirements
> for the output of the amp and you had the proper licensing. This is no
> different from converting business band stuff to amateur use. We can take
> type accepted stuff for one class of equipment for use on the amateur band.

Well, the problem, as I see it, is that the CB amp was never type accepted. Not sure if this is a valid concern, but I'd like to be on the safe side and find out what's what on this situation.

> If anything, there are those that would take offense at the CB origins of
> it. The CBers weren't picky when they used ham gear - that's how 10M was
> removed from amateur amps!

No big deal with me. I'm just looking to fix the amp, add filtering and other modifications where things look wrong or too cheap, and swap the thing at the next hamfest I attend or on the net.

I could understand hams getting ticked off if I repaired the amp and used it "as it," but with the proper mods and additional filtering, I don't see how they could gripe about the situation. Even if I don't fix the amp, I can always strip it for parts and have a good heatsink, maybe a final or two, and maybe some decent broad-banded transformers to use in another project. I could also use the amp as the basis for a new, completely redesigned 40-Mtr QRP amp or something. So, I would have to say the person complaining about the situation hasn't thought the thing through and would be complaining because of the mental association with CB operators, deserving a verbal lashing, minimum, for illogical-thought processing and stupidity :^). Actually, I wouldn't do this, but you could bank on it that I'd be thinking it :^).

As far as removing 10 Mtrs from ham amps go, here's what another ham had to say:

> No amplifier with the capability of use on 10 meters is legal,
> even to own!

If this is true, I guess every ham out there that has a ten-meter position on their amp is illegal :^). Seriously,

I think what you meant to say that it was illegal to build and market new amplifiers that can operate between 24 and 30 Mhz, or somewhere in that range. I think that hams can build an amp or two per year that has 10-meter capability for personal use, if I remember the rules correctly. Anything over a few per year is considered marketing, and hams that do this are in violation of the rules. Amps built previously to the "24-30 Mhz" ban were grandfathered around this ruling, of course.

To be on the safe side, I just unsoldered the collector leads on the amp and turned it into a bunch of parts that doesn't do anything. If this wouldn't work and the FCC still thought that it was an amplifier, then we'd be talking about invalidating tons of hardware patents, and I don't think that the FCC or any other communications-governing body wants to go there. Hmmm. Something to ponder!

> Yes, it's true, but a lot of people have 'em anyway.
> This law was passed supposedly to prevent Cbers from buying
> ham linears and the solid state amps like the one you have, ha!

If I remember correctly, I think the law stated that it was illegal to market and sell amplifiers in the 24-30 Mhz range that were built after the ruling. I don't think that it said anything about owning an amp with 10-meter capability, but I could be wrong here. I guess it's time to hit the ARRL site and read up on this :^).

Here's another response, and this type of remark is what I got from the vast majority of the replies:

> Randy, as a licensed amateur you can build or test anything that meets
> FCC regulations for the Amateur Service. The amplifier may be illegal for
> CB use but that has no impact on its application on the ham bands. You
> might want to review the regs on spectral purity, etc. but you have the
> right idea about cleaning the thing up.

This is the response that I think makes the most sense; however, the CB amp was definitely a mass-marketed, non-type-accepted amplifier, and this is what has me worried.

> Just don't let it fall back into CB hands - that WOULD be illegal! ;^)

I'd NEVER do this, but I don't think that it would be illegal

to sell the amp to a CB operator. OTOH, I do think that it would be illegal for the CB operator to use the amplifier on the CB band. That would most definitely be illegal.

72/73,

Randy "Swimming in the pond of amplifier confusion" Jouett, AB5NI

Date: Tue, 12 Oct 1999 15:26:03 -0700
From: Ed Loranger <we6w@qsl.net>
To: qrp-l@lehigh.edu
Subject: [52987] Re:Morse software doesn't have to be big
Message-ID: <3803B57B.BCC8CA17@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

That is so cute.

I compiled it here on the Unix compiler using:

cc -Aa dorssel.c and ran the A.out program.

I read the code first to see what it did. It is neat. Prints the morse equivalent for what you type in.

Thanks. 72/Ed we6w

--

-Ed AR Millennium Q's=>1400/2000 QRP-L#1068 Old NC#2227
72, Ed WE6W, A-1 OP; <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 AR#112 HI-QRP#64 ARCI#9397 ARS#275

Date: Tue, 12 Oct 1999 18:26:53 -0400
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [52988] OT: Cyanoacrylic Hazard
Message-ID: <19991012.182654.-255569.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I have been reading the posts on the possible fume hazard with cyanoacrylics, but the worse hazard is not paying attention to the warnings.

When the superglues came into the Federal supply system in 1974, I was portable VQ9C on Diego Garcia. We had a supply-type that was looking thru the newest listings, and came across the listing for cyanoacrylic. The department had a few bucks to utilize (spelled w-a-s-t-e) before the end of the quarter, so he ordered a couple of tubes.

A few supply flights later, SK2 NoName had his tube of superglue. At lunch he was looking it over and suddenly said, "It says it'll bond skin instantly! Who do they think they're kidding..." and proceeded to stick his index finger to the center of his forehead!

Sickbay could not detach the offending digit safely, so they flew him on one of the VP-Suqardron's P-3's (an anti-submarine warfare bird for those not in the know...) to Thailand for surgery.

It was an interesting site to behold, and very educational for all present!

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
My night light runs more power than my Rig!!!
(and WB2VUO/VQ9C in 1974! QRP from the Posterior of the Indian Ocean, TT Argonaut 505 and dipoles!)

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Date: Tue, 12 Oct 1999 18:30:58 -0400
From: hamjoel@juno.com
To: qrp-1@lehigh.edu
Subject: [52989] RE: Intruders & 10mtr beacons/Doc's ant farm
Message-ID: <19991012.183101.-220157.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

My cajun mama saw some posts on this subject and kinda smiled...I asked her what she was smiling about and she said:

From the posts she has read here on the list she figures there must be

40 to 100 or more beacons on ten meters... and people are upset over about six or seven interlopers makeing use of some rf spectrum.... what about the other 40 to 100 freqs that can't be used because of the beacons?... don't seemed balanced...

It's an enforcement problem, not a ham problem... she said. Hams ham and police enforce...

Now iffin the hams could convince these peoples to to qrp and then get their ham tickets they could go qrt on one hand and legit qrp on the other... and still use the same frequencies, but on cw... she said as she walked away...

As my guinie pigs say, "oink"... LETTUCE ... encourage enforcement and go about haming. hams are too close to the situation to be in objective enforcement... zeal gets in the way...

Which reminds me.... BRUCE... why not try a coupla of bob tail curtains on ur soon to be antenna farm... bi directional, 7db over a dipole , low angle radiation, supposed to be great dx ant at 7 and 3 mhz... that's what I would try iffin I had the room...

On twenty meters I would try a sterba curtain... bi directional.. can be heated to get ice off the wire, about 8db gain... horizontal polarized... heck phase a couple of em... that oughta get the gain up!!!!

My cajun mama wants to send some e-mail so gotta go...

Joel KE1LA
In Maine

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Date: Tue, 12 Oct 1999 22:48:44 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [52990] Pre-Foxhunt
Message-ID: <012601bf14fb\$8f06d640\$ad42b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll be on from about 00:30 UTC at 7.039-7.042.
Will be running a K2 into a Hustler vertical.
Here Spott, heh heh
Steve Sorrell, W8SFF in Michigan, QRP-L 1288

I'll be the FOX from about as SW as one can get on FL - on Feb. 25, 2000.
I'll rotate my wide-spaced 2 element homebrew yagi to the NE from time-to-time during the hunt because keeping it pointed to the NW does not bring in the NE as well as it might otherwise.

Best to all,

Bob Patten wrote:

```

> 73,
>
> Bob Patten, N4BP ( 0 0 ) Plantation, FL
> o00o-( )-o00

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End of QRP-L Digest 1606
